

# SEQUENCE LISTING

<110> Young, Paul

<120> Process for Identifying Anti-Cancer Therapeutic Agents Using  
Cancer Gene Sets

<130> 689290-76

<150> US/60/233,617

<151> 2000-09-18

<150> US/60/234,052

<151> 2000-09-20

<150> US/60/234,923

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<150> US/60/235,840

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<160> 2276

<170> PatentIn version 3.0

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aatcacagtt	tgaaaataga	tacatacata	catatatata	cacacacaga	gatacatagt		300
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	gtgggtgggt	ttcttcagaa	aagccccaga	ggcagggacc	agtgagctcc	aagggttagaa	180
	gttggaactg	aaggcttcag	tcacatgctg	ctttcaagct	ttcaggctgg	gcaacaagga	240
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	gcaaagacat	ccaaagccaa	cgcaatggga	agcgtccgag	atggcagagg	agccagccct	360
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<210> 29  
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 <212> DNA  
 <213> Homo sapiens

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	tgtctgaggg	gtttatataa	ggttttcaga	ttctgatata	ggcttgcatc	tgcatcggtt	300
	ttagtctgac	aaagagaaac	actgctttag	gaagtgggtc	atgtgggtgt	ataagtgggt	360

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 <211> 297  
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 <213> Homo sapiens

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 tcctgagttg gtggacatct gagtcgtttc cagtctttta ctattatagg caatgcttcg 240  
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<210> 32  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

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 ctaatgattt tatagacaaa gactcttggc aaccccagga gaaaaaaaat aaagctgtca 300  
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 <211> 436  
 <212> DNA  
 <213> Homo sapiens

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 <211> 303  
 <212> DNA  
 <213> Homo sapiens

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 cgggtagcac ctcagctcct ctcagctccc ctcagcctgt tctccttcca gaccagaga 240  
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 <211> 297  
 <212> DNA  
 <213> Homo sapiens

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<210> 36  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 36  
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 <211> 379  
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 <213> Homo sapiens

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 ccctgaccca gcactcatc 379

<210> 38  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c



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<210> 39  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 39  
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<212> DNA  
<213> Homo sapiens

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<210> 41  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 41  
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<210> 42  
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 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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<213> Homo sapiens

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<220>  
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<210> 63
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<212> DNA
<213> Homo sapiens

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caat 424

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<212> DNA
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<212> DNA
<213> Homo sapiens

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ggaaggtaat taaagacggc acagattctc ttcttttact gggctgtttc tggcattaca 360
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 <212> DNA  
 <213> Homo sapiens

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 tcttccctta tcacctcccc ctctcccacc ccaatcctag ggngtaccct gaggtgagggc 240  
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 tcnctagggg gttcttt 437

<210> 67  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 67  
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 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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<210> 69  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 69  
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 tatgatacat atctctaagg taggtgggta cactgaggac ataggcaant atgccaataa 300  
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<210> 70  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 70  
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<210> 71  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 71  
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<210> 72  
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 <212> DNA  
 <213> Homo sapiens

<400> 72  
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<210> 73  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 73  
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<210> 74  
 <211> 3127  
 <212> DNA  
 <213> Homo sapiens

<400> 74	gtttgcatag	ctccctggac	ttctgctttg	cactgccctg	caggagtggg	tggggaaagg	60
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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 <223> n=a,t,g or c

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 <213> Homo sapiens

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<213> Homo sapiens
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59

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 <223> n=a,t,g or c

<400> 92  
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 gtggtgagaa caacaacagt gcctggagaa tcccacggct ctggggaagt gagccccgag 120  
 gatgaggctg ctcgcctggc tgattttcct ggctaactgg ggaggtgcca gggctgaacc 180  
 agggaagtcc tggcacatcg ctgacctgca ccttgaccct gactacaagg tatccaaaga 240  
 ccccttccag gtgtgcccac cagctggatc ccagccagtg cccgacgcag gcccttgggg 300  
 tgactacctc tgtgattctc cctgggccct catcaactcc tccatctatg ccatgaagga 360  
 gattgagcca gagccagact tcattctctg gactggtgat gacacgcctc atgtgcccga 420  
 tgagaaactg ggagaggcag ctgtactgga aattgtggaa cgctgacca agtcatcag 480  
 agaggtcttt ccagatacta aagtctatgc tgctttggga aatcatgatt ttcaccccaa 540  
 aaaccagtcc ccagctggaa gtaacaacat ctacaatcag atagcagaac tatggaaacc 600  
 ctggcttagt aatgagtcga tcgctctctt caaaaaaggt gccttctact gtgagaagct 660  
 gccgggtccc agcgggggctg ggcgaattgt ggtcctcaac accaatctgt actataccag 720  
 caatgcgctg acagcagaca tggcggaccc tggccagcag ttccagtggc tgggaagatgt 780  
 gctgaccgat gcatccaaag ctggggacat ggtgtacatt gtcggccacg tgccccggg 840  
 gttctttgag aagacgcaa acaaggcatg gttccgggag ggcttcaatg aaaaatacct 900  
 gaaggtgggc cggaagcatc atcgcgctat agcagggcag ttcttcgggc accaccacac 960  
 cgacagcttt cggatgctct atgatgatgc aggtgtcccc ataagcgcca tgttcatcac 1020  
 acctggagtc accccatgga aaaccacatt acctggagtg gtcaatgggg ccaacaatcc 1080  
 agccatccgg gtgttcgaat atgaccgagc cacactgagc ctnnaggaca tgggtgaccta 1140  
 cttcatgaac ctgagccagg cgaatgctca ggggacgccg cgctgggagc tcgagtacca 1200  
 gctgaccgag gcctatgggg tgccggacgc cagcgccac tccatcgaca cagtgtctgga 1260  
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 ggacattgac gcttacacca cctgtctgta tgctctggc accacgcccg tgccccagct 1440  
 nccgntgctg ctgatggccc tgctggggct gtgcacgact cgtgctgtga cctgccaggc 1500  
 tcaccattct tcctggtaac gggtaacggg ggcagcgccc aggatcacc agagctgggc 1560  
 cttccaccat ttctccgcg cctgaggagt gaactgaatg gacaccgatc 1610

<210> 93  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 93  
 gtacaaatcc aaggttttaa tggctgttaa ataataaaag gaaggatatt tgcactatat 60  
 acattcngtc cactgacgat actgtcagct ggccatgcat tttattgcac atataaacag 120  
 tgtacaagga tcttgaagac gtcttagcca tagaaggact gcatttaaaa gaaaaaaaag 180  
 caattttaca gaagactgaa gccatttaca ttacacaacc aacttcaaga aaataataaa 240  
 aattaatatc aaaagaaata ctttaatttt gaaaaaaa tctctcaaaa caatggatta 300  
 caaagcttca tgctaccata tatacacgta agaaaatatt tcaggacccc gcatttctgaa 360

tgccccgtgaa ggtgcagcag gctaaactcc tacttat

397

<210> 94  
<211> 471  
<212> DNA  
<213> Homo sapiens

<400> 94  
tcaaacaata actttttatct tatactttctc tatactttgt agcaaactctt tttttgctga 60  
attttaattta taataaaactt ttttaaattac atctctctct cttttttttt taaaatcaag 120  
gctcttttat gtcaaaatct ttttttagct atatttttaga ttaacattta acatcccccc 180  
cttgtgatct ataccgttgg atattcaggt attactgtgt gtgtaacagc taaaacaagg 240  
acgggaggag ggaaaaataa tggcagtgaa cttggacgga tgcatacaaca acagcagata 300  
aagctaacc ctcagtgcacc atagcagcat gtcttctgga agcctttact cttaccccag 360  
agatttcctc agcccccttc ctctctccct cctatcctcc aaacacaaag ccaacagtct 420  
gtcctttcgc ttttcttgag gagaaatgtg cagtggaaat gatcaaaaca a 471

<210> 95  
<211> 463  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 95  
tcaacttttt tattacacag taaagaatac aacaatacct gaatcatact ttaaagattc 60  
acagggttgac agaccataca ttacagtcca actaaggaaa aaaggataaa caagaaacca 120  
cagttcagac atagtagact taaaagctca agagtatgct gacaaaagca tgatgcctag 180  
accccccccc ccagtgttag tctaccatta acttgtggta catgtctgaa ttaagtattg 240  
cacaacaact ttaatttttc acaatgtcgc agaaccctaaa ataataattt aaaaaaatta 300  
cttcaaactc gcatttcaac agtctccaat tttttttctg gtcccttgag gaatttcgga 360  
cancatggag tcgcttttct ttccttaagt attccagacg taggcattggc tttgcataag 420  
gtaaaaccag ccttgaaatt tttaaattccc caaggacatg gca 463

<210> 96  
<211> 248  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 96  
tcatattgta caactatgat attaggtatt aagcgacgta attctttctc tactagttaa 60  
ccagtttatt tcacttagca aactctaaat tgagggaaat atataatctg agaacacaca 120  
gaaaaatata ttgaaaaacc aatagagaat tatttttaac catcataaaa actcaatctt 180  
aattaactga tagtctttta cttaaaaaaa agagtaatcn agattggaaa ttgggaatta 240  
aaaatatt 248

<210> 97  
<211> 414  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 97

09954456.091301

tttttttttt	ttttgcagat	cactttgtat	ttattacatt	actgaacttt	ttcaaagac	60
agaattcaac	tccaaaataa	agtaataaat	gcctattaaa	taattattca	cttgtatttt	120
tctcncctaa	aatttttnacc	ccagcaaaaac	atcttaaaga	catgtgaata	ggttcagtg	180
actctcagtg	gctcacaatc	atgaggcaaa	tactacattt	atccataaaa	atataagata	240
aacagatcaa	tatttttaaaa	tattgctgac	ataaaaggaa	aaaataaaaat	actacacttt	300
taccacaatt	attttggtag	atgatagtag	aacattgttt	aaaataatgc	tcctctacag	360
gacacatgct	gtgcttggtg	tacttgggca	cattagcagt	tgggtaactg	gtcc	414

<210> 98  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 98	taaataaatt	tattccataa	agatttttaa	cttctacaat	tcattaaaaa	60
aacaaaaaac	caaaagtcaa	aatggtaaaa	atattcacia	catatgacaa	tcaaaggtt	120
gacataaatt	tataaagagt	ttataggaat	aaatgagaaa	gaagtaaacc	caaataaaaag	180
aatttccttt	tcacagagc	ttcattttaa	aagaaatata	aatatctata	aacatacgaa	240
tagacaaagg	ccttaatatc	attaataatt	aatatcttct	cccacatcag	caaaaatctg	300
aagataatca	aaagctgagt	gttttaaggg	tgtgatgaaa	tggacaccat	ttacacagga	360
catgtttgtt	ctgcctttca	ggaaggttct	ctgccactgg	aaaa		394

<210> 99  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<400> 99	gctttattag	gaatgtacca	gggattgagt	taggggagtt	ggacagcccc	60
cctcaaaact	ggagtcctac	ttctctccag	catcctgtgc	catcctcttg	acgtaatcgt	120
ggctcctata	gtacacagca	cctagcatga	ttgcacccac	tgcacaggcc	tgcgctgcca	180
tgtacattgt	aatcagggtg	atggacatct	tgggtggaacc	acgagacctc	agccggtaaa	240
ctcgggtgtg	tgtaccacc	aagcagcctc	ctaagcctat	aggaccagt	gagattcccc	300
tcctgtatgc	aggagcttct	cagacacaca	gtcttcatcg	tcaggtgggt	acccaccagc	360
agtcttcctc	agacataatc	ctggacctgg	atgtaagcag	ctgagactcc	tatgctgcag	420
gtctgttagc	cccgtccta					429

<210> 100  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 100	gatagcttta	catttcccct	ttgtttgaat	gagaaaatgg	atcttggggt	60
aaaacaatga	gctatgctag	aacacttgta	gattgctggg	tcctttgtaa	gggggccatg	120
gctatgctag	actttctttc	aatccttaca	tttgaagcat	tgatattctt	caaaaccttc	180
actttctttc	tgcgcaatag	aaattttctaa	tgttcatgac	ttttatcttt	cctgtccatc	240
tgcgcaatag	ttgtaaattgc	ttcctgagag	ctgtctaggt	ctgtatccca	gattgttgct	300
ttgtaaattgc	tgacagatgc	attgttttct	gaaatcagct	taagacacca	attgtggcaa	360
tgacagatgc	cattacctgc	tgcattggat	caactatggg	aagggtggga	gcaggggggtg	420
cattacctgc	caccctaacc	aatcaatgga	agggcaactc	acacctggct	cccaagcctc	480
caccctaacc	aacaaacacg	tttataagga	aaaaatatat	aggcncatta	ttaccggaag	531

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

agtgggtgtt gtgnttttaa aaaaaaa

567

<210> 105  
<211> 406  
<212> DNA  
<213> Homo sapiens

<400> 105  
tttttaagag tatacaagtt tattttaagg tgttcatagg gttaccagtt ggatagggtca 60  
taataatata tagagatatg ggaaattaag acctatgaag ttttaattat ttgcataaga 120  
gtatgccctt gcatcataag aaaacatata aaaacagaaa tatgtttcaa acttgtatat 180  
aacatatata tacatgttca acttgatcag gttcttactg aaattattta tttattttta 240  
ttatacttta agttctggga tacatgtgct gaatgtgcag gtttggtaca caggatataca 300  
tgtgccatgg tacttttgctg caccatcaa cccatcatct acatcaggta tttctcctaa 360  
tgctatccct cccctagccc ccatccccc aacagggccc cagctc 406

<210> 106  
<211> 429  
<212> DNA  
<213> Homo sapiens

<400> 106  
tttttttact gaaacaagaa actctcagat gcaagtcaaa aagcagaaaa tattttacaa 60  
tattaaagag tcatctgtag ttaggttcgg catattaatg agatcctgag cactgagcat 120  
ttatggacaa tatggccttc gtttgatgca taaaaaggaa attcaacaca aacacgttgt 180  
taaaaccgtg ccagaagatg cgctagagtt ttctctcatt ttaattacaa tcagtgccag 240  
tatctgtatt acctgtgaag gcctccaaga aagggtcatg gaagcttatt ggggaataatc 300  
ctctcaatta gaaaaaaga aagaagaaaa gaaaatcaga tccattgtgg tttagaaata 360  
gatatttgca tggaaaagtt tttatctctt ctctttctc tcctggtaag taaagatttg 420  
ccatttgta 429

<210> 107  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 107  
tttttttttt tcagctttta actggtttatt ataaagacat atttacacag aacaatcttt 60  
acaaacattg aacacagggg aagggaacaa tttcttaatg aacagggcct taatatcttt 120  
gtataaatta gtataagaat cataaacaac cacttttaat aaggcagccc ccctagccca 180  
cccactaccc tcttctgttc cctatctccc agctttctta gccatccccc actttctccc 240  
cttccccacg ggcttgggct tggctgcagg tcatggcagg ccgatgagna gngagacaca 300  
gaaaggaagg gggaaagaag gcccaatccc tgatgggggc gtcagtggca gaagagactt 360  
tctgggcacc gaccagtccc cactccaagc atggagcctt taagcagcag cagcagcagc 420  
agcagcgta nagcaagcat aggtaaaggg gcttgggg 458

<210> 108  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 108  
tttttttttt ttttttttct cattttcata tcctatttta tttttgaagt cagtgtccag 60  
aaagaaaccg acgattcact caatcaacat gtaagcgact gaggcacccc tacacaccag 120  
gtttgcaggc tagggaccag agacacgatg gttaaacaag ccagagccct gtgatcctag 180  
ggcttacaat gctggcataa gaaaatcctt ctggactcac tgtcccatg cttgtgactg 240

tcattgtgcca agtgcgcttt acacaatctc atttttccct caacttgggg ataggttttg	300
tatcattccc attacagata cggatgctga gggtactgag tggaagagga aacctgaatt	360
ctgctgctgg accccaaaac tcattgttta ttacccaaa	399

<210> 109  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 109 catgttgccc	ttttattgtg tcaaattata atgatatcat taaaatcctg ctagattcag	60
aaaaaactgt agggaagcaa taaacaattt gactttccaa atgatgagga aagttattga		120
atttaccaaa cataaatata aaaatagtat tttgttgat aattaagact tatagctaga		180
gaagtagaaa tgtacacaaa aaaaacattt ggtatcaata atttggttgt gcattcattt		240
attcagtcaa caaatattta gctgagcact ggctagctgc caggatttgc actaaggacc		300
caaagatggg aagagatgat gtccctgccc tcattggagct tgcagtcgtg ttgagcagac		360
tgtcaaacca gatttaggta aggcaatgtg acccagtgcc catgntacca aaccagggat		420

<210> 110  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 110 tgagggaata	agcatttttt aatttcttat ataaaatgct aacttcttgt caggacatac	60
tacagactat gcattgaatt ttttgacaaa cttcctgtaa tctttttatt aatttacact		120
gagggaatat agcattttaa aaacaattac atttaaaaat ctggattctt gatgttaa		180
ctcttcgact ccagatacac aatttcctgg aagctgatgg aaagtgatc tatttctgac		240
aatgaaagag gctcagaaag agtcctaatt tgctttcaca gtacaggcat tttccaaaac		300
ctggttctgg gcttacggag cacacacaca caaatcttaa tgcaatgaac aatatttcaa		360
accttatttc ccaaagcaaa acctagggct taagacgtca aaatcttcca acagttctag		420
ac		422

<210> 111  
 <211> 572  
 <212> DNA  
 <213> Homo sapiens

<400> 111 ttttttgaca	ttgttctact gttttattga ctcgttgcat ttacaagttt tgctaattgat	60
acacagtcta cacttactaa taaattatac tcacagtgtt tttagtgat tgactttgtt		120
tcaatatttt ataataaaag attataggag taattacaga caatgataga aaagtttgag		180
gcacgtgac aaaatagtgc aaaagcctaa gttatccaaa agatgtagtg atcataatta		240
taaagactgt gtagtgtccc tgggaaatgc ttacaatgag ataccaagca gtcaaaacgg		300
aatctaacca cgcacctgta cagtagttac aaaggtatta caaagcttgt ctctgcatga		360
acacagtaaa gaagtcacac atacacaaac gactacaatg gtgttctggg attgagactg		420
tttgtttttt cttcttttaa tattattttg ctttattgtt gtaattgtat ttttgtaata		480
aataaattca gagagaacat cctactatta gacaaggaaa atgccagaaa tctgagatat		540
ttccctctt atggccgtat tatattgggt ac		572

<210> 112  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

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<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 112  
 tttttttttt tttttttttt tttgcattgt tttacatctt aagcccttta ttgactacaa 60  
 tgcagaacat tttattttta gacacagtgg gttttgtttt tgttgatgtt ttcaccaatt 120  
 caactgaaga cgaaagcaag acaatcaaag ggtaactagt agcagcctat cagtaaataa 180  
 gggcaagtat agagactgtt ctttggactg aggttaaatac aattagtcaa taaaggcttt 240  
 tccactgtct aataattata acatattaac agtcgccaaa tagtggtgga tgggactcct 300  
 ctagaaataa ctaaagcctt tcattttata catgaaatag ccacaaaatg tagatgggtt 360  
 acatcaactc attgggattt gcccatthaa attacnctga gat 403

<210> 113  
 <211> 634  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 113  
 tcagaagcac taaaaaaatc tttattggat gtccgcaaca acccatgcaa tggggtagga 60  
 gttggagaca ccaggaaggc ttggggatag aaacacaaga tgcaagtcct tgaccacaga 120  
 atcagatcac acagtcacct ttccttcac aatatccag ggacaatgaa agcaagttca 180  
 accaagatgc tgaaagagct ggatcattcc catctcattt cagtggcatc acagattcct 240  
 tggagttgca tgcttgcaac gtggaaatgt gtttcccaca gcccactag ggattctcag 300  
 gctaggaagt tgccaaactg caagactaca tcaactgacct ggtatccag gagcagcagg 360  
 agaggaggag gaggaggagg agttgtcctg ttctgtcctt gaggggccc cttcatgata 420  
 acggggaaac tggccttggc ctctgttacc tctctgtcc ctgtcccaa tcctgggagc 480  
 atgtgtgagt tctgtcttcc tctaccacag tctccctct gcntccctcc ggagcactcc 540  
 ctgccatgac ccactctcta aaatgatccc cctctccttg ctaatgacat ctcatatggg 600  
 ccagaagana gcanctgatg gattagtcac ctaa 634

<210> 114  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<400> 114  
 tatggtagta acagtttcat tcagttttgc attttacaaa tttaaacaaa agtctttcct 60  
 tttttttttt ctttacttgc atgtttgtct tttgagtgtg ttttcaattt gtgcattcct 120  
 tagaaaatct ttgtgtggac tttggagttt ctccctgaaa tgtgccaggc gcctgagtca 180  
 gacacaaaca ctcccttagg accttcgtca gaaactccac ccctgtgtgg aatctccttc 240  
 ctctctctct ctccggagat gccaccgaa ttcgaatgtg actgtgtgtt tctgctgaga 300  
 ggtccattgt catccccaga tgaaagaaga gaccaaagca gttaccactg atggaagcca 360  
 gtgaagatgg ttgggggaac tccttaacct ttcttgggaa tgttttgaac gaggacgccg 420  
 ggtccttttg ccagtcagga accagca 447

<210> 115  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<400> 115  
 ggtatacagg tgccatttaa tccattcaaa tttggaagct acatcttcaa gggctctgaga 60  
 gagctcactc ccccatata ttcccccttt acatgttttc ttataagaca tacagtttaa 120



tcaattaaca	aactaaacag	cttatatact	ggcaatatat	tacagatggg	tttatgtcag	180
agtaatagat	cacatgaaat	ggaccatgtg	gtaccccagt	gcattatgtc	ttggtagagc	240
cctgaggaca	ctgacagtag	catctctaag	taagtagtgc	tgtatgaata	cagacacatg	300
cggatctgta	tctacatcca	tctgactagg	ccaaggagca	ggtagatgca	agattagaga	360
cacacacatg	ctggatgggg	ccactgcaca	ccttgatcatg	ccatttaaaa	ggggcagtta	420
cagggtgccc	ggttttgcag	ccattaaaat	tacactttat	ggaa		464

<210> 116  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<400> 116	tttttcagct	agaaataagt	tattttat	tataaacacat	acagattaat	aaatattact	60
	ggaaaactta	atagcctttt	tatttacatg	aggcaataac	aacatgctat	gactacatct	120
	ataaagcaaa	atataagcag	gtcttgcca	ctgacacatg	tgtctatgta	tgctaattgg	180
	aagctcccca	atacatgtct	atgacaaaac	ttttacacaa	ccaatcaaca	tttgacattt	240
	tttacatctt	ctt					253

<210> 117  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 117	tttttttttt	tttttttttt	cattttcctt	gaagtttatt	gactgttact	ggtggcagac	60
	aaattccata	aacgagcagg	ttccatatgg	agcaagtaga	aggggagctc	tgagttggtg	120
	aggaaggatg	cgtggagtgg	ggacttgagg	taaaggatgg	aaaggtagat	ctctcctttt	180
	tccctccatt	cccataagga	tactggatta	acaatggggg	ctatctgctc	agcattccct	240
	ctccaaattg	gagccagaga	ggggaaatga	tgcaaatacg	aggaggaaac	acctcacagc	300
	tcctctgttt	ctccatccaa	ggggatgcca	atatccacgt	tgtagtctac	aggctcccca	360
	gagtcagcca	gggaataggg	gttcgattga	aaagaaggcc	tgttggaata	ggttttggt	419

<210> 118  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<400> 118	tttttttttt	tgctgatcta	gacttattaa	atttatttca	tgtcattgtg	gtcactttta	60
	cagctgttta	gacttatttt	caatcacatt	actcttcaca	gaattcacag	aattcattaa	120
	ctaactagta	tgttacatcc	aagggttctt	agtagcacat	tgaaatagaa	aagaggccca	180
	cgagttgttg	cttgtgtgtg	gaacctgagt	ctgattactt	agacagatgt	ctagaacatt	240
	attgctttat	taggcctatt	tttaaaaata	ataaattatt	cctaggaaac	ccaccctgcc	300
	aggtgctcat	tctgcgactg	ctgtgggttc	actcagaaca	tacctgactg	gtgggtgctg	360
	aatgaacctc	ccacccatgt	accctgctgc	tccggacgct	ctgagggcta	gagcaatgcc	420
	cctccatggc	gtgtaaacad	tttctacag				449

<210> 119  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 119	ttttcatttt	tcttactttt	aatatctaag	ataaaaaaaaa	aaacccaacc	acaaaaacaa	60
	cccatttgca	tgtcggcgac	acgctggctt	cgggctccct	ttctggggct	gtcctcccag	120
	gcggctccca	ggtcctcatc	cagggaagag	cccagcctcg	gccagaagcc	accgcgccct	180
	ccagttccgc	accgtgacaa	cctgggaccc	agcctttcag	aaaggccacc	aggaactggt	240



catgagatga tattttaatct tacaaaagga ataatgaata taaaaaataa aacaaggagt 60  
taccattttt cctctatcag aggccaaaaa gttcgaaggc acaatgtttg caagaatgta 120  
gggaaatgga tatgctcagt ttatgtactt ttggcagtta tgcacactgg tgcaacttct 180  
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<210> 125  
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<212> DNA  
<213> Homo sapiens

<400> 125  
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atcagctctc tttgctctcc aagtcaatac attttcatct agagctggga ttctaagcca 180  
gacttcatta accaccaca taccacctta aaaccacaat gctagattac ctctcaatga 240  
gtgtaggaaa tggatgtgat gaaagacaga aaaaagcatg aggcctaaat gtgtgaatgg 300  
cttgaggaat gaatgctctg actgaagaaa gaatgcctga gatccgcaca ctccttccac 360  
tggcctgtag aggcagcagc 380

<210> 126  
<211> 268  
<212> DNA  
<213> Homo sapiens

<400> 126  
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ttttattaca gatcattcta tagggactac agacatgaac tagaggaaat gtgcacagtc 180  
aaaatccaga atatcagctc tgggagtgtg cactgttaga ggatgaagca catcctttgc 240  
catttcaaat actgtgccag gtggagga 268

<210> 127  
<211> 342  
<212> DNA  
<213> Homo sapiens

<400> 127  
ggaataatgt ttattttaag ttacatttca gaggaaacta tcttcaggag ggcatgaagc 60  
ctatattggc tactgcaaaa caaccagaag ttttataaaa tatttctgat ttaaattact 120  
aaggcactat agataggcac ctatattaca tacaatcttc aaacattttt aaaagttgaa 180  
actatgtatt agttgatatc taaaatatta aagcccctga caaactgaac ggctaagaac 240  
ttgacaaaat gagatgcctg tttcaatgat tctgttgcca gcatattaat taaaatacaa 300  
tttgagattc taaattacac gatccagcct tagtccaggg ac 342

<210> 128  
<211> 330  
<212> DNA  
<213> Homo sapiens

<400> 128  
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gtttttccca ataaattcaa ttgttttcca caatgtagaa ttttaatctt caaattaagt 120  
gtagctagga cagtgaagtga aactaatcac tgcttgactt ttattttcat ctaggaaaaa 180  
taacatctga tgtcaccaca taaaatgcc ttctgctta atatcagaga aaaaaatata 240  
tgttgccagt ttagactcag cgcagtttat catttggtcc aaatttcata ttcaaactac 300  
aaaaaatatt ttttaataaa gaaaacatat 330

<210> 129  
<211> 123  
<212> DNA

<213> Homo sapiens

<400> 129  
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gtgaaatact aagtactatc cttggcttgg ggattaaacc tatataacaa aagtgaaaag 120  
ggg 123

<210> 130  
<211> 400  
<212> DNA  
<213> Homo sapiens

<400> 130  
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taatcctatg aaatgatgca gatgtcacca acaacttaaa ttcaattctg atcttatact 180  
aatacataat tctaaatata ttacttttag taatacatgt ttacttagat ttactatatt 240  
aagtataggt tttgtgaagt cgtaagtgtg tacctatata gtttcttgct attcttgatt 300  
ttcataataa tgaagggtcaa agtgcccttc tgctccttct tgttctgggc tctcatgagc 360  
attgtcagga tcatcgtgat cttcactttc atcatcatca 400

<210> 131  
<211> 407  
<212> DNA  
<213> Homo sapiens

<400> 131  
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cttttttaaaa aattgacgtg ttggcagtggt ttgttagaac actgacgtac atcccaaata 180  
gtaataaatt cagtatgaaa ttatacgcat aaccttactc accatactac tttttctccc 240  
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ttgctccatc ccttgggctt taaaaagaat ggctgtagtt agttttgatt cactatatac 360  
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<210> 132  
<211> 408  
<212> DNA  
<213> Homo sapiens

<400> 132  
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gatgtcgatg taaacctggt tcagattgtc gctgcaggag accttgct 408

<210> 133  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 133  
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aaaaagttaa tatttttaatg taaaaatcac aatgtaaaaa taaaaacttt agtttttagtg 180  
actaaaataa aagcagataa ataatcttct tcacagggaa aaaatacttg agggaaaaaa 240  
caatggtata acatgtgtaa agcaggaaat ttaaatatca gcttagttcc tcattgccaa 300

catggcattt atatcccaga tgagatttcg taattgatcc ataatttggt tcagctggtg 360  
attcttctgt ttgagttttt tatttacttc agcaatttct cgcctctctt cactagcaaa 420  
acgaggtggg ccagccgatc atcat 445

<210> 134  
<211> 216  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 134  
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acaagggttg agggaagcat atctgacaca tgagcatgaa accaaatcac catgcttatg 120  
gactacaaaa ggacctaagc ctttttaaact agactgtctc aactgtgcat taattatgta 180  
tttagatata ggatatgtgc ttgggaaaat gtataa 216

<210> 135  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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tcaacatttg acaacatttt ataaaccaca tgctcccac atcagtatca gggggaatga 180  
ggagaagcca gcttcaccct cagcagcagt gcctcctggc acagatcacg atccccacgg 240  
tctcgtggtg aagtcaatgc cagaccaga caaagcatca gcttgctctg gggcaagcaa 300  
ctggtcaacc taaagaagac ttttgaggga gcttgggttt gcctgatgtg gaatccaatg 360  
tggtcagagg accaaggctt aaaacggatt gcaaacagtt ttgaaggacc tcggaggtgg 420  
aatttccaca atttttttta ggg 443

<210> 136  
<211> 189  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 136  
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aaaatcaaat ctgccaaacc cggaccaccc tggaattgct agcacgccta cagggatttt 120  
nggttacaga aaggcatgcc caagattcag gagagcagag acatctgagc ttgtaaatag 180  
aataaaagg 189

<210> 137  
<211> 216  
<212> DNA  
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<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 137  
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 gggagtnanc tacccccacg ggnccacccc nagcccagtc caggggtngg agggaggggg 180  
 tgaccctgt cgaggtcctc aggcattctt ggctga 216

<210> 138  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 138  
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 tacgtcttct acctggccgt ggggaactac cggctcaagg aatacgagaa ggccttaaag 120  
 tacgtccgcg ggttgctgca gacagagccc cagaacaacc aggccaaagga actggagcgg 180  
 ctcattgaca aggccatgaa gaaagatgga ctcgtgggca tggccatcgt gggaggcatg 240  
 gccctgggtg tggcgggact ggccggtctc atcggacttt ctgtgtccaa g 291

<210> 139  
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 <212> DNA  
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<400> 139  
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 acattctgga aggggtgacgc tgatgacttg agaatgtcta aggcacactt tgtgttcttt 180  
 gcaacatccc atgagcaagt acgcagggga ctgtgtcctc gggattcagg ggagctcttc 240  
 ctttccctgg catggccctg ggtgcttggt gaccgatatg cagcaccctt gggcagaact 300  
 ccgtctggat tcagtgcacg ccctgcttgg gccagcacag ctctcgtgca aaagcacctt 360  
 tgcagcttct gatcgcatcg tcgagctcta ggcacttggt caggcctggc actgcagat 419

<210> 140  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<400> 140  
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 gcacaactgt agctacacta cagcccccca tgcccagggc acagctttgt tgctaagcct 180  
 gtaacaaaag accaccactc agtatttgtg taccctgcag ccaacaccac ctcttgggct 240  
 tcacaggttc actcaccaa gaggccagca caaccacgac cgagtgggta ctcagtggcc 300  
 cagacacccc ccgaacactg gcactgcaca a 331

<210> 141  
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 <212> DNA  
 <213> Homo sapiens

<400> 141  
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 ctatttagat aaagtccagg atgcaaacct gtggactggc tgcctgcca tcctaccaa 180  
 aacccccaac caggtaaagc tgatcattcc aaaggcagggt gcgatggccc atgcgtttca 240  
 tcccacgata tgcacagggg aagtgggaacc acaaaggagg agatgtgcga gtatcataga 300  
 tgtagagatc attgcagatg gtgtctctag ctctgggtcag agtttctcca ccaaacagca 360  
 cagcaaaggg cccgaccaca gaacatgagt gatgccgtag tccatggggc cccttctggg 420  
 accctgccca ctgtccacaa gccttgcaag ctgttccatc 460

<210> 142  
<211> 464  
<212> DNA  
<213> Homo sapiens

<400> 142  
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ggacatacca ttacagagag gaggaagaga aagaatggcg cggggggcgagg aggaagagaga 180  
gcacctgcca aaaatccac actttccact tctcagctat cactcaatca tttttctgga 240  
cagggttaac agctagaaat ggtttaaggg caacatccag gtagtttgtc tggaagatca 300  
gggagatgaa gaggttggaga gaatgtcggg gtagcatttt gaaggattct ccagcttgaa 360  
cctgttgcca gaaccctttt catggtgaac tgggagtcag gaagcttaat cctggtctca 420  
gctcagccat gaacttgctg tgtgactttg ggtgaatcac tttc 464

<210> 143  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 143  
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gattgcatat tgattgatta catttatata aagtataaaa acagacaaaa ttaatctatg 120  
gtattaaaag tcagggttggc tttgtaaggg atagtacaaa gagaagactt ctgagatctg 180  
gaaatgttct atttcttttt ctttttttct tttagagaca ggggtcttact ctggttgctta 240  
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tcccatgcat gagtgtgtcc acatgtgaaa attcactaag cttaccattt gtgtactttc 360  
ctatatgtat actccaacaa aaaaaagttt gtataaatt 399

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<211> 417  
<212> DNA  
<213> Homo sapiens

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aaatgttgag tgcagatgaa ggggtgtatg aggcccatc ctggggaggc tgtacacctt 180  
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acagctcaag agttctgagg cttgggaaca gaaaagagct cttcctgct ccaccccaat 300  
ctgggttgca tgggcatgga aaagagcaaa cacaccctgc aaagcatact ggacatgcct 360  
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<210> 145  
<211> 245  
<212> DNA  
<213> Homo sapiens

<400> 145  
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gtctagtggg gactctgacg ccgaacaggg gctgtagatc agtgagtgtg tatgtgtgtg 180  
tggaggggca gcagggggccg ctttccacgt ggttacataa gcacgtgttg gggttgggccc 240  
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<212> DNA  
<213> Homo sapiens

<400> 146

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gaatgaatta	atgaaaaacg	ttttagttc	agttaagcag	atgatttgca	taggaattgc	120
tagttttaag	tcttaggatg	cggacgtaac	tgaattgtca	attagattaa	catagaataa	180
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ctttggtagg	tgatgattca	ttttccctgc	tatgggtaat	ctcatctaga	tcaaagtgtg	300
tccttctaag	ctagacacct	cttccctaca	gtaagaaggc	ctccatattg	ttcaagctac	360
t						361

<210> 147  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

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	gcagccaggg	agagaaaaga	ggcacacccg	gagctgggat	ccctcacctc	caccactcag	180
	caaggcgccg	gacagatatc	cggaggcact	ctgcctctgc	cgggggggtt	ttttagaaaa	240
	ggaattgcat	agaagataca	gcaagagggg	actccacaac	aacaaaagtg	ttccatatcg	300
	gaaaagccaa	ggttgtcatg	ttttgtttta	aaaagaaaaa	cgacaaagca	caaaacctca	360
	atccgacctt	tctgcagttg	aactgtttcca	aaggggacag	taggtggatg	acactgcctc	420
	ttcaacacga	ctgctgggga					440

<210> 148  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

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	agacactatt	ggtccagagc	tcccaatata	aacaggcggtg	gggtaaagca	tttgataaaa	180
	aatagtccaa	caatagtcta	ataaatagtc	tagccaataa	caacaatata	gcatatgtct	240
	gaagctggca	gactacacca	taaaaggcag	ttttgtctga	c		281

<210> 149  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

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	tgtctaagag	gtaggcacgt	cattgttccc	attttgcaga	tgaggaaact	gaggttcaga	180
	gagggcactt	ggcttgccca	aagtcacaca	gcagggagtg	gcagaggaag	tcaggttggg	240
	tgaccccagt	aactgctctc	agaggctggg	tgatgaccgg	cttcctgggt	tctctggaat	300
	aaacctttgc	caccacttcc	tgcatttcag	cttcagtaca	ggcagagaat	ggggataggt	360
	gggggaatga	ggtgagaggg	gagatgttta	gaggtg			396

<210> 150  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

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	agatcctcac	acctcagcct	tccaagtagt	tgggactaca	ggcatatatc	atcatgcctg	180



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<210> 151  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

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aaatacattt	agtgtgttac	acgtcaaaga	cgaatctata	tttttggtgt	tttacaactg	180
cctgataaaa	ctgcttgctt	ttacccttct	ttcaatgcct	atgtacagtt	tcccctaagt	240
aagcaataat	gatatttcca	ttttatacaa	tatatactac	attttagttt	ttaaatgggc	300
caggacaaag	gtcactaaaa	gggcttaaat	aattccatag	aaaacagaat	acagagcata	360
agctaaaatt	acaatagtta	atcctttaca	agagccatat	tcacatactt	tccttatggg	420
accatcatta	cacgtggctt	cacaggatgc	tgtgctggat	tttggt		466

<210> 152  
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 <212> DNA  
 <213> Homo sapiens

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acttctacag	ataataagta	gttgtgtatg	cttgctactc	ttgggcccac	cagcacctgt	180
tccctatcat	attgctgaac	tctgcaaact	ccagaaagga	aggtttcttt	tccaaacttc	240
agagaagctg	cagatcaaga	atttggggccg	ttgcatctga	ttagaaactc	tcttcttcca	300
gtgtgagaac	gttggt					318

<210> 153  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 153						60
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cccacaaagt	cacccaacca	ggctggggcca	aactgggttt	gatggc		406

<210> 154  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 154						60
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gatcagcact	tttctttcta	gttcgtattt	ctgcacaaga	aaaacatttc	aaagctccgt	180
ttcatatagg	ctgattgttc	tctgaagcca	gatggaattc	catccaattc	agagctcttg	240

gaagttaatt tcccagcaag atttgataac tccaactcca gaaagttaat tgcttaatat 300  
 acatattttt aaagtcctct gagagcataa tgctccatct gtaaagtctg cactgtgtca 360  
 ataatgaccg tcacaaatac tagggctaca actgtgt 397

<210> 155  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 155  
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 aaatacatat cattatttta agcagaaatt gtaacttatg acaggactta caatatttaa 120  
 atatgtagat ttaatatgta tgacaactac agcataaaag acagggtatga taaatggatg 180  
 tacatactta caagatttct acatttttatg tgaagtggca catcaactct aggtagactg 240  
 aaaaattaag aatgtatatt gtaatcacta gaacatccaa cttaaaaaaa ttattaaaac 300  
 agtatagcta aagagccaat aaattaaaat acaatt 336

<210> 156  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 156  
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 ctggggacca ccagacttct tgaagtgact tgtgtcccat ctaaggttcg gatatgggta 180  
 gtatgacggc gggggagttg taacagcaca ctgcattccg ggccggtgct cgtaggaggg 240  
 tacacatagt cggttgctcc cggcaccaag gccgcacgtg cggtcagggt cagggcgccc 300  
 cgctggcagt agtagtccat cccgcgcaga cagtagtggc ggcccagca agcactttcg 360  
 taaccatgga agggcaggcg g 381

<210> 157  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<400> 157  
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 cacagattaa aaagaaagca ccaaaaatta ctacacatta atacctgagc agagactgaa 120  
 ggcaaattat catctattaa acctacacca taatgctcaa acacaggtaa aaacattcac 180  
 aacacactct acaga 195

<210> 158  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 158  
 ttacaaatat tttagcaaat gctttctatt tctcttgctt gtgcatatct tggctggcgt 60  
 tacagaaaaa tagtgtaaac attatttctt tactggggaa tgagggtttt ttctttttct 120  
 ttttttcttt tttttttttt ttttttttagt ttgtgtgtgg ggggtgggtaa gggaggggat 180  
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 aaaacttcat actgtatgaa taagaaaata aaatatt 277

<210> 159  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 159  
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gtgaagcact aagctgaccc tgcttcaagc aattttgttt ttacaactgt tcctttcaca 180  
agcaagcctt aaaaaaaaaaag aaagacaact tcctttttct tcagctccca caccgccattt 240  
ttcttagcag actgcagtca atccacattc aatgaaaagt atataatgcc cttttttata 300  
tgcacgtttt taaacttcca agttctgaaa attgtttact gg 342

<210> 160  
<211> 438  
<212> DNA  
<213> Homo sapiens

<400> 160  
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tcaacacatc tatttatcaa atcaatccac tgcaatgaag aaaaataaat gaacagaaaa 120  
atctatgtct gcataggaca tgctctcagt gtgtaattta aatggcaata ctttaaatta 180  
attggttata tataatgtca gttatttttc tttcagaata taaccttttt tgtagtaacc 240  
tattctagca ataggactta atacgactgc agataaatag gactgcaaaa accaaaaacc 300  
caaaataatg aaattaaaaa ggaaaaaaa actgtaactg agatcagagt tacctttcct 360  
ccccaataga atacttatcg taaattttta cactttacaa tggctatttt tgtgctaaaa 420  
atctgtaggt gagttatt 438

<210> 161  
<211> 395  
<212> DNA  
<213> Homo sapiens

<400> 161  
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taacaacaca tttagcaaca ttttacacca cacagtaaat aagaaagtgt ttctttgaaa 120  
atatgtcatc ataggaacat tatttctaca ttaatgccag aaaatgccaa ggccgtttat 180  
ctcaaggcaa acagggctcc ctcttcctt ttgggtattt tctttttaac acaaatgaaa 240  
tgacttgcca ttttaacaaa tcctcaattc taaaagtgat ctctcagggg gctttgaact 300  
aaggctggca agatttgaaa tggggcttca aaatttttaa taataatttt aaaatacttc 360  
tggaatagcc caaaaagtag aagtcacttc tatta 395

<210> 162  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 162  
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ttcaaataaa atttaaattc gtacaaagta tactgttaca gtatatattt tgtaagaatc 120  
aatgcctaaa ataatacaca tacttcaata agcagtacag cagacctcgc tagttttcag 180  
ctttgatatt gaacaaactc aagccggctg atgcacaaca cgtttgcttg gtttccacat 240  
ggtgatttcc cagcactgag atggggagaac atgacagcaa atatggtaat attacagccc 300  
gacacactgc gtttcttcat gtg 323

<210> 163  
<211> 378  
<212> DNA  
<213> Homo sapiens

<400> 163  
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gacacagaca tcaaacgttt ctttttcaat gacagtcccc tgagaaaggc tgcacgtgac 120  
tcctacagtg ccgggtgcag ggtaccacgc cgcaggtggg acgcggccac acgtcttcac 180  
ggttacgtgc agaccgacgg gatggccttc aggttgtttc tttccgtgag tgagacacaa 240  
gagacgcgat tgtgccggag cgcacggtac aggccgttcc ttctgcggga ccctttctcc 300

atcagcgacg ttctgttcag tgacttcaca gccggagcct ccacccgcag tgcaattcag 360  
gcaggttcca taaggggg 378

<210> 164  
<211> 586  
<212> DNA  
<213> Homo sapiens

<400> 164  
agaataaacc aggcctgttt cttttccctt gaaatccctg cctctgggtc ctaaaccat 60  
catctaagggt gacagagcag tgctggaata gcatctcctt tcaactttccc aaaactgcc 120  
cagatagctg ccactggatg ctctttgatt cctggaagca aacgtgggac tgtcggagga 180  
aagggattgt tctggtctta ctcataactg ggtggtttga ggggtgactga agtcgtgctt 240  
ttcctgtgtg tgctgccagc acagggctgt aaatgcagat attgcgcctg tgtgcgtgtg 300  
tataagtcaa gtcceaagag gtcctgaat gtgactggcg tgctgagaat gtgtttacgc 360  
tgtttaaatgt ctgccagggt agggttacac tgaagatgca caatccctaa aataaagatc 420  
accacttccc caaagaagca gccctcgggt ccatgtgttg ttcagacatg tgaagagaag 480  
caagacagag ggtctcagat ggacgagggc tctccaaggg aatgcctggg gattcaccca 540  
gtgggtcccca gaggtgctcc atggaggcaa caagtcattc catgaa 586

<210> 165  
<211> 328  
<212> DNA  
<213> Homo sapiens

<400> 165  
cacttgacaa ttttatgatt aaaaccaaca aatggaaaac agacagtgtt ggggtgttgct 60  
gacataatca agcatttcgt gcggacccac tcaaccaccc catttcttgg atctatttct 120  
ggatgtacca aatgtgtctg aagatgaact cactttcgca catcaaagat gtatccagtg 180  
ttaaacaccg gagccagaac ccaggtgaaa atctgctggt tcagggcaac accacttccg 240  
gctttattaa acactcaaaa gtcaggttcc caagaaacgc ttggatctat gcgcaagtat 300  
aacatgtcaa aactgttaaa tgtgacca 328

<210> 166  
<211> 495  
<212> DNA  
<213> Homo sapiens

<400> 166  
ggatttgcaa atattttaat tcacagaaac tcaaggagag ggtgggggtg ggggctgggg 60  
tggtgtgttg ccgcccttct gtctttatcc aggccttctc cagccccctg aagtggcaac 120  
agcattctag agacatgcag tgggtgtgcta gtaccataca cacaacacaa acgacacagc 180  
cagcaacagt ggctgggctg gttggtgggg ggcctctgga cctccaagtc tcaggctctg 240  
tcacagagca gggcaggctt ggtccgctca cagggtcctc acagccacgg gatagaggag 300  
ggacaagtgc tcagcccctt tgatgggtag ctttctggtg gtgtagtagt ggatgacttc 360  
cgggacactg tcgaacggag ggctgttctg acccagaacg tatttctctt tggttttggc 420  
cagtttcatg tgcataaaac cctggttgct cctcagggag agggagtagt catgcttgct 480  
ggctctgggct gtccg 495

<210> 167  
<211> 378  
<212> DNA  
<213> Homo sapiens

<400> 167  
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catggttact attccaatct ttcatgcaga caaaaataaa caataataaa tacataatgc 120  
actttgataa ttttaaccat acataaaaata tggagtaatg gaagctatgt tacatggata 180

ttttacaaag gaaaaaaaga tgactttt	at	aataacacat ccagatgaaa tttatcatta	240
aattttggat ttcatatgat gttaagtatg	gat	atatattca aaacaattac ttttataga	300
accaatttga tattttgtca tttaaaataa	tga	ataactat gttaatgagt acttataaaa	360
atatttttag gcaaaaaag			378

<210> 168  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 168			60
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tacccaactg	aaatattact	aatgattaaa aacaaattca	gagttaatta caaattcagt
tgaaacaaaa	tttcagtttg	gattaaattt	acactgtgaa ttacaatgaa
attgcaaaat	gatttccatt	catacagcat	tttgtttttc ataaattttg
aaagaaaaca	cagctttttg	ggtaacattc	atgaaaacat tgaagcctat
tttattacca	ctttcaatag	tcattaatat	aaaaagttaa caaatttaaa
taagc			caacaaagtt

<210> 169  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 169			60
acttgagaag	tcaaacagtt	ttattacaga actatgtgta	tatatttttg gtttaaaact
tgccaatagc	tgtttgaaag	gatagctcat aatttattca	aatagatatt ttattaatca
aatgtttttg	gtttatcaac	ataaccaa	gtataaaaaa tgtttttaaa
aactataaag	tcatgaggct	gattgacctt	ttaaactaac ataataaaat
aaaatgagtg	gtgatgcttt	aaggtaatga	ttatgcgtcc catctaagga
gcctag			tgctgcaatg

<210> 170  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 170			60
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cgattgccgg	ctgcagtc	cat cgccccaga	tcaggctggt acaggatgcc
gagaggtgag	ggtgcatgaa	gaataatgag	cacaggaag agagaagcag
cagataaaat			gacaaagtag

<210> 171  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 171			60
tttcatgctt	tttatttttc	ggtttattta	atcttcttta acacagccat
acaatccaat	atttgagggt	acattattgc	aaaaataagg acatagctga
ccatcaatat	gtttgttaat	cctatccctt	ttattaaaga caaagcacag
ttgtcttgga	ttaactctat	ttgtaagggt	acttatagtg gttcatacta
atttgcttcc	tgggccaatt	gtctttaaac	tataatttaa gaaatcat

<210> 172  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 172

ttttatTTTT	TTTTTTTTTT	agagtttgat	tgcctttatt	atgaatataa	aatgtacata	60
caatacaata	tacatttata	catttacagt	ttgcatttcc	tttcatcttt	tttgagcaaa	120
ttcaattctg	catgtcccag	tttgccgctc	cttccactga	tttgacttta	cactcatgac	180
gttctcttca	cttgggtact	ctgtgtac				208

<210> 173  
 <211> 360  
 <212> DNA  
 <213> Homo sapiens

<400> 173	ttctgtgcaa	atgctttaat	tggtggattc	ttagatacag	tggttaatcc	attgcccaca	60
	attctttact	aattccgagg	cacctcatgc	cggaacaca	ctttcccttc	cactaaacaa	120
	aggtgaccgc	gtttcagagc	tctcctctta	caaggttcac	gtccttcggt	aggccgagga	180
	ccgtgggtact	acaaaagaac	atttcgttag	ctgaagtcac	tacgattggc	gagaaacatc	240
	cgttacttca	gaatacgtta	actacaaaat	atattgaatt	tccatagtga	ttaaccatat	300
	acatgtgtaa	ctattactaa	atgtagtcca	gtcattacaa	aataagacat	tctgggagcg	360

<210> 174  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 174	TTTTTTTTTT	TTTTTTTTTT	TTTTTTTTtag	ccacaaaaca	TTTTatttac	60	
	aaaatatata	ctgaatacta	tacatctggc	cccatcacca	tggaacaac	tccaaagcct	120
	gcctggggat	ttgtgcccaa	gccagccca	ggagg		155	

<210> 175  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<400> 175	TTTTTTTTTT	taagtttgtc	tggtttattt	gcaggctggt	agagatgata	60	
	tcccagtcca	cgcacactcc	catgcacacg	cacacacata	cttcatccac	ctgaatttgc	120
	ccgacaaacc	ctcctctgag	tcatagggac	aaagccatac	ttggcagtc	tcacgttact	180
	ggttacatta	gatttggtct	ttcagaaaga	agatgggtga	agtcccaaga	agctgagccc	240
	ttagccagag	aagtaagagt	cctagaacca	agagccacaa	cctgaaaaga	tgcagattgc	300
	ccccgccttc	cttcagggga	caactcttga	gaccctctcc	tcccaggagt	tgagtctcaa	360
	gaaatgaagg	gactgatggg	gtttc			385	

<210> 176  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 176	tttctccagg	gagttttatt	tcctcagcag	ctgtttctcc	catgcctggg	cttgtgctaa	60
	tgtggggcct	gggcggacgt	ggggtcgggt	gggcatctcc	ctcagactgg	gcaacctcag	120
	gtgccccagc	cgagttcctg	cagcccgtt	tggccccagg	cagtcctgga	gagggctctg	180
	ctgttttctt	tgcctgctgg	tgacgtgata	gcagcccctg	cctcatggcc	tgcatgtggg	240
	ccggctgggc	tgtgctgagg	caggttctag	aacagtgatc	tgatagcatc	caaggcagac	300
	catgtgggtg	a					311

<210> 177  
 <211> 373  
 <212> DNA  
 <213> Homo sapiens

<400> 177	TTTTTgtttt	TTTTTTtgac	ccagaaaagc	actttaattt	TTTTTcttg	gaggcataat	60
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ctcagcacca	aaggatgaaa	ggggaacttg	tccccttcgg	tcccagccc	tgccctcccc	180
tgcagcctaa	aatacccttt	ctatgatcac	agaacaaagt	tcacactcac	cacacagcca	240
ttctcacaca	cactcgca	aaaagaaaac	caaagcccac	taaagcacat	ggggaaaaaa	300
agattacaaa	acatcttct	ccccatccgg	ccttgagacc	agactccttg	gctggagagg	360
tcgtgacttc	cgc					373

<210> 178  
 <211> 6651  
 <212> DNA  
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	gcaggaggca	gaggcgtgc	ggcgcgaggc	gctcgggttg	gagcagctgc	gcgcgcggct	180
	ggaggacgcg	ctgctgctga	tgcgcgagga	gtacgggata	caggccgagg	agcggcagag	240
	agcgattgac	tgcctggagg	atgagaaggc	aaccctcacc	ttggccatgg	ctgactggct	300
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	ccgggcctta	ttggaaggag	aaagtaatcc	agagatagtg	atctgggctg	agcacgttga	420
	aaacatgccg	tcagaattca	gaaacaaatc	ctatcactat	accgactcac	tactacagag	480
	ggaaaatgaa	tggaatctat	tttcaaggca	gaaagcacct	ttggcaagtt	tcaatcacag	540
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	gagagaaaagc	cagcagatga	aggagaaggc	taaggagaag	gactcaccga	aggagaagag	1140
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<210> 179  
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 <212> DNA  
 <213> Homo sapiens

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cgggcgctca	ccgtgagcgc	cgtgctgctg	gcgttcgttg	cgctcttcgt	gaccctggcg	420
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<210> 180
<211> 393
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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ctccttttcc attattccaa aacgtttaac gttcaaagca ggggtctcatt aaaaaagaaa 180
ctactggttg atataatnga gatattacaa tttcagaata aacatttgat taaaaataag 240
gaaatcctca gttcatactg tattttaaag aganttggta acttgantgt gtgtaatttt 300
ttggaacctg tctaaaaacc anataccctt gcaancngat acagcccncn cnnttctntt 360
tanntntttt gctgtgttat tngntnggag ntt 393

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<210> 181
<211> 444
<212> DNA
<213> Homo sapiens

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<400> 181
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acacaaaacc tgtacaaaat gtcctaatca atgagaacag aaaaaagaaa tcttcaacta 180
tgttacagtt taaaagcaga aaaaaaaagt tagggagtgt ctccctccca catgtcagga 240
aatgtcatcc aatattctta aagcaaggat aactaaataa aatacatgts cagcatattc 300
tgcaattccg ttacatacag tagttttttt tccaaagcta ttttttttta gtatcggttaa 360
tataaagcag ttgcacaaaa agcaarggtg ttttgcaaac aggtgtatgc atttttcctt 420
tttaggacaw tatctaamaa agmc 444

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<210> 182
<211> 440
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<223> n=a,t,g or c

<400> 182  
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gattcacaga attctgagag taatatggaa taaaacaact ccacttagat gataactgaa 240  
gcatttcctg ccttgtgaaa atttggnttt taaattgctg ttagaatggg naatttggac 300  
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<210> 183  
<211> 187  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 183  
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atttcat 187

<210> 184  
<211> 1971  
<212> DNA  
<213> Homo sapiens

<400> 184  
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aaaaatagga	attattttga	tggctctaac	agtgacattt	atatcatgtg	ttatatctgt	1920
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<210> 185  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 185	ctcttgacga	ctccacagat	accccgaagc	catggcaagc	aagggttgc	aggacctgaa	60
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<210> 186  
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 <212> DNA  
 <213> Homo sapiens

<400> 186	aaatgaaaaa	aaataatagt	tactcaaac	acaacttccg	ggttgaaggt	tcaacgattc	60
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<210> 187  
 <211> 2383  
 <212> DNA  
 <213> Homo sapiens

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	caatctatgt	tggtttacct	gtagtgtttt	ataaagtgtg	gtcagagggc	2040
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	tatttctaata	gctacaagaa	tgctgtaaag	tgtcttctaa	aatgatgtag	2280
	catttttttc	agtgtataaa	actaggtagt	attgtgcact	gatttgacca	2340
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<210> 188  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 188  
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 ttaggraaaa aaatwttacc aaactacttg taagaaaact atcttccttg tatkataagg 180  
 tactgaacat ctgsggvacg rgctcgtscs aattcctgca gcccggggga yccactagtt 240  
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 cgrgcttggg gaatmatggg maaagctttt yccbkkkaaa ttttawcccg hhaaattcca 360  
 aaaaaawggs ccggagraaa aggdaagscg ggggccaatr gga 403

<210> 189  
 <211> 215  
 <212> DNA  
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 <221> misc feature  
 <223> n=a,t,g or c

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 acgttggttct agcggaagac aggcctttgca gatttcggtg ctttttagtga actggtgttt 240  
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<220>  
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 <223> n=a,t,g or c

<400> 199  
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 tttaaagaca gagtctcact ctgtctaaaa aataataata ataaaangca ttttgaaatt 180  
 agtcgcggtc aatgcaattc tactcttttg aatccgttta gctaaatgaa tgtngtgctc 240  
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 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 caaatgttac catttcattg cagctgagga atataggcca ttcgttgaca taactgcaat 180  
 ggggtgagact tatttttagc cacaggaagc aaatacattt aaccaatgac ttttaggaca 240  
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 <211> 305  
 <212> DNA  
 <213> Homo sapiens

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 <223> n=a,t,g or c

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 aatatcaaag tatattagtt ctttgaaatg aaaagggtatt tttttnctnc ctttaacatt 180  
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 <211> 243  
 <212> DNA  
 <213> Homo sapiens

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 <223> n=a,t,g or c

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 tccccgcctg aggtcctag cctgccacag gcagcatgcc ggttaggtca gtggcaggag 180  
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 cat 243

<210> 203  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 203  
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ttt 243

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<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 204  
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<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 205  
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<211> 476  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 206  
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 agagtccggg ttccagaaag aaaaatgtat ttacattttt tttccttggt aggtggtgga 360  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <211> 363  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <223> n=a,t,g or c

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gatttcatat	tcaaaagcca	atgccacttt	tctaaagaaa	cgatctttgt	gccaaattag	240
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ccaaaccacg	cggcccagtt	ttcgtgagta	cccctgtgtc	ccagagagga	ggacccagcg	360
tcctcggctc	tgcgcaaggc	tttcttggtc	tgggtgggtac	tcgaggcagt	tgagaacctt	420
gctgagctga	gcgggcacct	cgcct				445

<210> 222  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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tgtgaggata	ttatgaacaa	ttcatttgaa	aactgacaaa	atacacaaat	tactacgagt	180
attttactca	aactaattga	agatagacat	gtaatccac	agctcctaaa	tagtttcagt	240
aattaaaaat	ttcccccaaa	gaaaagcctt	ttatagtaag	ttccactaac	ctgttccata	300
tggtagcaat	tcttaatcta	acagttaaca	gttcattcaa	aataatgggc	aacaatgtat	360
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 <212> DNA  
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<220>  
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 <223> n=a,t,g or c

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gcaccacggg	ggcagtnngg	aagtgtccct	cctgttcctg	gctccagcag	cacagatggc	300

accaggggga caggaatcag atgctcaggt ntccaagcag ggataaggac aggcaaaata 360  
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<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 224  
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gggaagagca cagttcacta taaaccatta tcaattctac attgtaattt agcagcaaac 240  
atnttaacan gggngcatta agataataaa ggggttttat ngtttgaggg aaagaaaagt 300  
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ggtcaaggac atattaattt gcaaaaggtc tacttt 396

<210> 225  
<211> 354  
<212> DNA  
<213> Homo sapiens

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gaagtctccc tggagtttat gcagatgatt tttacttggt attgcacagt gtgaattggt 300  
aggggaaaaa ataatacact aaccctggg gcccatag gcaaattaag gatt 354

<210> 226  
<211> 367  
<212> DNA  
<213> Homo sapiens

<400> 226  
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gaggaggcaa cactcggacc tggttcttgt acaacaagaa aacatcgctg gggccccgct 180  
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<210> 227  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 227  
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ccaaatcttg acacacggtt aaaattgggt gttaatgaaa ggtaactaga taaaataggt 180

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<210> 228  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 228  
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 ggaatccgag aggccaacgt tgtaattca catttaataca tgaacgaatt tgtgcatctt 240  
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 cattttattg atttataaat attaatatta catacatgan atggattgtc caagtatttc 360  
 ctttggccca tttnaaattt actggataaa tgtttttntt aaagaaaatt aagtcctttt 420  
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<210> 229  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 229  
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 ttgtacctgt ttaacagatg cgatctttgt ggtgttgcca aaaggataat ggattattgt 180  
 tatgtttgggt aagggtgctca aaattaaaga ctttatgtcg acttattcac acacatacac 240  
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 tgtattgact ttagttgcta tatccgattc ggataaaggc tttgctcatt ttttaaatga 360  
 cattattaat tgcagaaaaa acgtggagga gaccttggcc ttggcaggtg ggg 413

<210> 230  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 230  
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 gagtaaatgt tatctggttg gaaaataagt ccaatcataa gctttcctta ggtcaattct 360  
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<210> 231  
<211> 189  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 231  
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agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180  
aaatgtaca 189

<210> 232  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 232  
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gcaccttccc cagtcgcgcg tgtcntcagc atggcctcng tcaaagttgg aagttaacag 300  
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<210> 233  
<211> 163  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 233  
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<210> 234  
<211> 231  
<212> DNA  
<213> Homo sapiens

<400> 234  
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gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180  
gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 235  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 235  
ggggcatggc taacacctcc ctgggcctct tcttctacc ttgattgagg gtgtgatgcc 60

tgagagccaca	gcagccactt	tgctaccatg	acaaaaaggc	caagagaatc	acagagtcac	120
tgacctatc	attatttcac	caagccaata	ccagccgcca	tccttctcca	gaattcttgt	180
aaataaaaata	aatccctctt	tgtttaaaaa	aaaaaaaaaa	aa		222

<210> 236  
 <211> 527  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 236						
cctctgccac	aaaagacctt	taatggcctc	ctattttattg	ttctttttggt	catttggttag	60
agttgaatga	actataataa	cttgtctgac	ataataagaa	tgccacaggt	ataacagata	120
aacctggcag	gtggtccagg	aatgagagt	tcacaaaata	atcactcaac	acaagggcca	180
cagacctgga	gattcttccc	agccatccct	cactcctgcc	ccaggacaca	acccatgcag	240
gccccattc	cataggaaga	ggcagggtccc	acagtgtctg	tggttagacc	ttaacactga	300
gcagagatgc	ccgggaagat	ggcacttcct	atgctcgttc	ccaagtgtc	tgctcatctg	360
ccatgcaggt	caggaccata	ccccgagttt	gtgaggcacc	cacctctcat	actcaccacc	420
tcatatgacc	acctatcata	cccanctctc	ctatgaccct	tgcaattgtc	ccagtgaagt	480
gggaagagct	ggactagccc	attttgcaca	cagggaacta	aggacac		527

<210> 237  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<400> 237						
atccagtgt	aaaaggaagt	tggaatggga	gttggcgggc	agtgaacgag	tgtgggggaag	60
gattggtgct	ggggcaacag	gaaggggcct	tgggcgtttg	gctgcactaa	ctttggtagc	120
tcagtgtgca	tctagagtgg	gacttgggag	ggagctaagc	ttgggctggg	ctgcttgggg	180
cttggcatag	ggtggaaagg	gctacctggg	gctctgacca	cactgtagta	tgtgtggagg	240
ggcctcccgt	ctcccacaac	ttctgctata	acaataaact	gtagaggatc	ttaaagag	298

<210> 238  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 238						
aacagggcgg	ctttttgttt	tattttctgtt	tttttccctt	tttcttaaaa	aaattaaata	60
aagttctcat	tattttccca	atatacatca	aatgagtttt	catgcaaagc	agcagtcaca	120
gaggcagaac	tgtccccagc	tcgtgcctct	cggcttgaag	aaccaccttc	tcccggcccc	180
gggttctctg	gtgttctcac	tgaggatgga	cgacgcccac	tgtctctccc	agctggaact	240
ggctatgacg	aaacttggct	ggcgtaggga	gaggagtcct	cccctctccc	caggatgggt	300
ctcaggggac	agcaagctct	ggggctgatc	nccatcattg	tccttccatc	tgagatccca	360
gtgtgacant	tggaaagtcc	tcttcccagg	aatgcgaggt	ccnctctcag	tctcaatgga	420
atgggataat	gagtgtncac	ctataag				447

<210> 239  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc feature  
<223> n=a,t,g or c

<400> 239  
 tttttttat ac aaacaagttt ctttttattgt ttccacacat tcataataac tatagaacag 60  
 aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120  
 cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180  
 gaatctcacg atgagcttcc tcaggcttcg gccgtgcgtg gaccagtcag cttccgggtg 240  
 tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300  
 gtcttgccct ccagggtttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360  
 ggattccctt tacttcacag cgggtgggagg gctcagaacg acagctgggg tctttccaca 420  
 gtggacacaa agaggtacgt tccagttctt gatcaaattg atcactgggg agaaaagggtg 480  
 aactggggag aataantaac aggccattta 510

<210> 240  
 <211> 215  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 240  
 ttttcagaaa ttgaaccggt tattagccta ggtctgggtt tcaggcattg cggagnacgt 60  
 ctggggagct ctatgagggg aaacaagccc ctgactggct ccttgccccc caaagacccg 120  
 ctccccagg ctttgcatc acaagaaatt actctgaggc atgaggtttc cttccccaag 180  
 gtgagctgca cccagctct ccagtgggag gatgg 215

<210> 241  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 241  
 ttttttgtgt gaaaagcctt cattgtgcaa gcgtgccan caaacaaca ccaggtctgc 60  
 gctggccgaa gacgaagcgt cctccctgga gtcgggaaca agtcacctct gaccacacct 120  
 cctctgacgc catcacctcc tcctggcccc acccaagggc tcgacacaag cccaaggtc 180  
 ggggggagag gggcggggag gaaccgaggg cggaggcaag gtgggattcc aggaaggcct 240  
 tccgaagatg ggacggtggg tcctgtccct ccaggtagct tgtgggtgtg gacagcagga 300  
 cttgctggct cagtgtgggc acaaggacac tgtgccactg gttgagttag tggtagggga 360  
 ttggaggtgg ctcccagagg actccatctt gcatggccct ggccttgtgg cttccagnag 420  
 gcttgccctg gctgtgggta agccangagc anattgag 457

<210> 242  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<400> 242  
 tttttttttt tactttcatg caaaatcttt atttggaac atgtatgtta ctgagcaggc 60  
 cagccgcat cctgaaatag caaggatatt tacactgtgc agagaaatac aagagcttct 120  
 tgaagacatt catctgtgct ttgccggcat tttatctgct actttgtcct gcttctctct 180  
 tccctgtgct cattattctt catgcacct cacctctcat caccttaagg catcctgtac 240  
 cagcctgac tgggggagat gactgcagcc ggcaatcggc aattaccaat ggtgtcttct 300

tgggaccctt tctacctgtc ttaggtatta atgggtgccca aagaaaaaat gaagagatga 360  
aagtttctgt ggtagctgg gcatgggtgg tgtgcacctg tagtcccagc tactaaggag 420  
gttgaggtgg ggatagtgt 440

<210> 243  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 243  
ttcgtaaaac nataaaacaa tggtttctag caagtaaaca accaactgat catctctttt 60  
tacctttcgt agatgttttc ttcttaaaac atatagttat atgttttagct tacatatatta 120  
tgtatattat atatcaacac ttaaagaata ataattagat tcacagagta cggtgggaaa 180  
tacaatatat taccggtaca ctattcaggc aagcttatgg gaatgacaaa aaaggantga 240  
atcacttttc atgactaggt atcttaatta tcctctggtt tttttctgac taagg 295

<210> 244  
<211> 358  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 244  
tgttaagtac ttaagattta ttgaatgaga actgcattgt acaatatggg gccactagac 60  
acgtctatth aatttaaatt aaaatataaa actctaaaac tagccatgat tcaaagggttc 120  
aatagctata tgtgactagt ggctaccata taaaacattt ccatcacaaa gttccattta 180  
tcagatctta tataggaacc ttgantaaaa tttaatagac aagtgatttt gtatttaaca 240  
tttcaccttt attgaatgcc ctatagggcc atttgaatac ggggtcatgtn caaggcacag 300  
gggaaaaaaa aactgcagcn ggtaagggtt ttncaggggg gttttccagg tcccctcc 358

<210> 245  
<211> 364  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 245  
aataaagaaa aaantttcca tccaacttga agaaaaatca gaaagtatth ttctccatgg 60  
accattattc tatttgaacc taacctgaat tccctcatag tcaaaacctg ccatgatgat 120  
gtgaattcat ttccgcatag tcggaataat ttttgctcca aattcttaaa ggagacaatg 180  
aattagtagc ttgtaaatth tgcagatctg ggccttcaat aacttagtag gaagggcaat 240  
aaaataggag gggaaaaatg gggactgtgg gattacaact gtttcaaatt tcattttaat 300  
ttcttctatt tttctcaacc atatttcttc tatttttaca atcattatta aaatatttcc 360  
ctaa 364

<210> 246  
<211> 384  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 246  
 tttttttttt ttttagctca agaacaagtt tttattatgc attgggtttc gcagtgatac 60  
 aagacacctg ctcacaactt acagtattaa ttttttagaa aaacaaaaca ggtatatggc 120  
 atgagtgaaa cagttcccca ttaaaagcac ttaaaaccta tgacatggct agtaagatgt 180  
 aaaatattaa gtccccttgg gtcttgcaaa cttgtatttc ctaacaattt ggaagccatg 240  
 atgatagtct gaagctaaag gaactccaat ttcttggnat gatactaaat aaagattctt 300  
 atcttttggg gagaaagagc caaaacagaa gggtntgaaa gcagtgaatt tcccctcctt 360  
 atggccaata aagcaagagg ggca 384

<210> 247  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 247  
 ttttttttta tgtattttcca aaatcacaaa atgcacaaca ttcattngttt ttaatattgc 60  
 aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120  
 tttcatatca aaacaaaaca cacaagtgtt ttttcaatat taaaacgact gtgataaaaa 180  
 catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239

<210> 248  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 248  
 tttttttttt tttttttttt tttttttttt actatttaaa taattttatt tgtttcancc 60  
 tttggnagat gagaaaaata cattacaaaa tacattatac agaagacagc tcacagtaca 120  
 cattactaaa aacacaatct acattccagc cagggctggg gggtaagttc agaagaaagc 180  
 cacagaggcc ttggaaaacc agatttcaga ctctatggga ntggaatttt ccccttatgt 240  
 cccgtcttta tctcaacctc aggcattgtt tnttaggcac ccctaattag gnggggggtg 300  
 ggggtaggag ttaggaggca ggcattgagg tggggactgg gngggacttc tccattccac 360  
 cttaaaggca ggcaaacctt taaaagtccc ccccaaaagg naagggggta gggggagggg 420  
 ggnaagaatg ggcccaatgt ggaantttgc cgtgttctnc aaaggcttt 469

<210> 249  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

<400> 249  
 ttttttttta cttgaaaaaa ttcacattta tttactgtca aaccgtgtta aactttacac 60  
 tggatattag tgatgggctc attattaaca ggtttacaca aagggatgaa aaaaaagcag 120  
 aattttgctg aaacaattta catttcatta gaactttatc ataaaataaa ttaattacta 180  
 aatataggca gaaggaatat ggaagagtaa tatttatgtt ttattttatt tttttaaaaa 240  
 agaataggca ccttttggtc actagaaagt ttgtgagaag tgcccagtcg cctctttgcc 300  
 ctctgttcag ga 312

<210> 250  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 250  
 ttttttttttc ctttaaaaaa attattttta ttgttggtaaa acatatataa cataaaattt 60  
 accatttttaa agtacacaat tcattggcat taagtgcatt cacaatgctg tataaccacc 120  
 acaacggaac ttttgttata gagcttttct tcatcgctat gaaggagtaa tcctttttaa 180  
 cataagtcac aggcattgtca ctaccctgcc cgcaaacatt cagtgggctt cccatcttgg 240  
 ctcagcaagg ggacaaagtc ctggccgtgg cccacagagc ttttggtgtg cctctctgaa 300  
 cgctctcttc actcatttca cccgggtcatt gggcttcctt ggctgggtccc tttggacaaa 360  
 gtggaccctg gcttttctct tcaggggtct ctggcatgtg ttttttctct ttgctgggaa 420  
 tgctcttttt ccntgggana tccatgtant ccccatattca ttcaggagct ntcctnagga 480  
 tatca 485

<210> 251  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 251  
 taatcttttag aacttaaatt ctacaagaat tttaaatatt ttctgtatat aattatgaca 60  
 ttgtcacaca gaaattacac attttatgtg ccagaagcct taaacatctt tctgtgaaaa 120  
 tgctgatata ttgtgacagt tatttcacat ttgatatgta gagaggaata ggggttagtt 180  
 tatgtttata ttgaaaaact ttaaagacta tttggaagtt ccagaaattc tggttttaat 240  
 tcaagtaaaa tgataaaata gtcattatat agttcagatg ctaatatctt aagtaataat 300  
 atatatattac attgaagcta aaactgttaa gccaaaacaa tgcccatttt gtcgggttac 360  
 agctcttccn gactctagga gccngttggg gggttcngtcc cnaactttaag gnttttaatt 420  
 ggcccactta tttccgaaag gnttggttcc aaccaggtgg tattaataatt ggtttttcnc 480  
 taaaacnact ggggtatcng gcccttgggg gggttttttt ncaatttnat taaaggccgg 540  
 tgnatatattg ggggggcctt ttaaat 566

<210> 252  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 252  
 gtaggctttc ttgtttaata gcagttaaaa gaggaaaatg tacaagagga ataaacatgc 60  
 tcttttcaca gaggagcttt cccctaacca tgcggcccat ctgtatcagt agctttacaa 120  
 gtaagtttta gagaaaaaag ttcccttttag agttaaaaat ggactttcct aattttctct 180  
 atatatgtgc aactatctgt gtaaaataaa aatgccattt ccaacacctt tgtgaaaagg 240  
 taattgtgaa tgcagggcaa aa 262

<210> 253  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 253  
 taganaattn nctgtaggtg ttcctttatt ttatcaaaaa tagtaatttt gtataattnt 60

0954456 "091304

aaatcaggaa atctaagggg acatgttacc caatcacaac agctaataaa atgcctccca 120  
 ttacagaccc agcttttttaa atattcaata acattcacag aattggcaag ttagtctcca 180  
 aaaaattcta acagaaactg caactcaaaa agtgtgtcta tatcagagat ggtggtaact 240  
 tcctcaaaga agttacatgc aaatnccag ggggtctcatg gtttacaagg tgac 294

<210> 254  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 254  
 acagtaccat agtattccac tgtctagtat actataagtg anctatatac caataatgaa 60  
 tacttaaggt tgtttcaaat cttttattat tagaaaagtg ctgccagaaa catccttgcc 120  
 atgcttctgt atgtactggt gctagtgttt ctatcagata aattttttaga catgaagtga 180  
 attactaggc ataggnataa taatttacac ttttgataga tactgagttt ttgctcattt 240  
 gctacatgaa gcagaggcag agtattctgt gtgggggttg ggacaggaac actgaccctt 300  
 gaagtcgagc cgggggggtct aacatagggt ggtcatttgt ccagcctgtt ttatgggaag 360  
 ggaactggga ctctgagctt tggggggaat ttcccgaag g 401

<210> 255  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 255  
 ntanacccat acttttttatt tgttaatttc atcaccccc tcttcttctg atgtgggtccc 60  
 caccacctct gacatgcacg cattggctag ggcctctcac actgaggctc cacgcgaagg 120  
 gaagatgcaa agtccagtc ctccaggagc tagtgatgga agtcttgga aaggagagtc 180  
 ccaagttcaa gaagacagct agggtagaag ggaggagggt cctcaagggg tagaggacag 240  
 gagtccaagg aggtgggctc aggnatgcgg gtggggcgct caggagagagc ccagaaatct 300  
 ttccaggggc agcactntct tggaacaggg gctnttgcac ttnacgggta ccccgcat 360  
 tttcattccc caaccttcag ttgggcccc cattgc 396

<210> 256  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 256  
 atttgaagggt taattacacg ggccttttta ttccatctgg aaaatacaaa tattcacaag 60  
 agtctgtaca accttaggga caccagccct ggcctgccc tcagctgcat gccaccctca 120  
 tatccacccc ccatccccag cctcctgccc cgacaccccc aggtcccttg ctctgggtta 180  
 agtattttct ccaaggcagg aatgagtcct tgatccaacc acagcatcta t 231

<210> 257  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 257  
 tttcacagat acatatatat acttttaata ggaaattagt gctcaatact ctgccctttg 60  
 tgtgggggaa aacattcttt tatacaagga tttttaccta gctattacaa tagtttaagg 120  
 taatgtacaa tatatatttg acacagagag tgttattaga tgttcgact gcataaaatg 180

aatcctctag cctttgatgt cttaaaaaga agttttacaa ctattagtga agctaaggca 240  
ctacatattt tccttcacaa atatggattt gtgtcattta aactgaagaa gttggatctt 300  
tgtggtgatg acaggggat 319

<210> 258  
<211> 349  
<212> DNA  
<213> Homo sapiens

<400> 258  
tttattttaa gatttaaggt ttttttaatt cagtaaactt ttttatata taacaacagt 60  
acaaattgtg tcctcagctt gcaaaatagg agtgtttcat atttacaata ggtacacaat 120  
aatatattag aataacaaaa aaccccaactt tattggaaca ttttaaatac ttaattttct 180  
tacagttttt attccacaac acctgtaaaa acaacaaaaac cagacaacca tcattgtatt 240  
ttcttaaaaa tatatataat acagattcca gtgtgtttga ggagtgggtt tgagcaggaa 300  
aagttgtggg gaaggcaggt gggctccggc ccctagtctc atgggatag 349

<210> 259  
<211> 349  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 259  
tttcaagttt aatttttaatt ttattagaac ccagtaaagt atgattttta aagnagagtt 60  
tccatcaaat taacacttaa ttcaggggcaa aanttcattt aaaaaaata tttnttaagg 120  
cagaagtaaa tnattataaa aatagtttgt ctaatacaga ctgtaaaatg tcagattttt 180  
aagagattca catagtattt tatagcacta aaatattaat acagtcagaa atattatcaa 240  
ttggtccaag atttctgttt ataaaatgtc tagactgcta attgaagaaa tgttgctgta 300  
taagtaatag ctacaataga accaaccaag tggattgttt tttatgaca 349

<210> 260  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 260  
tttttttttt tttttttcat ttttcatgac catttttatt aaaaaataat ttagttcttg 60  
gtgggaccat ttcaggaggc agggattggg gctaggggct gggcgggggtg gtggggggagc 120  
ggatctcact tttctctttt tcaccctctg cccagctggc ctttgctctg gagaggcagt 180  
ctctttcctc ctgccttcct gagtaaggca ggattggcag tggctgacct cagccctagc 240  
tatttaggga ggcaggggca gagatactag gcaaatagaga aggggtcaga gacacagggc 300  
ggcttagaag atttgaggtc tgaacatgag aaatgagg 338

<210> 261  
<211> 523  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 261  
ttggtntggg ggnactttta ataatctttt attgtctgaa ttttttacct aagaatatat 60  
cattttataa attaaaataa aatttcaaac taagtggtaa gagtttttaa atctctaaac 120  
tgtatagatg atagagagag aaagatctag attggtccat agttattttct aagatacatt 180  
tactgaaagt tgacactata ggatttggct gacatgacaa gaagaacatg aagaaaatta 240

tccttttagg	attaaaagaa	aaaagcaact	aatttcgaat	catctagggt	aaaatgaatt	300
aataacatt	gaatgggaag	tccacaccaa	tttcaaattg	gcctgggtac	ttcatctgcc	360
ctctcttctt	tgctaattgg	ccaatttgct	aagggatgaa	ccaggacacn	ggatgccttt	420
tatcagccgg	gaatttcacc	tacccttttc	gggactgcct	caaataaggg	tttccaccna	480
tttaggcctg	ccctcaagga	gncctgagcc	ngggaggtct	nag		523

<210> 262  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 262	cttcaacaca	gcagaaattt	atttcccacc	caggtaaggg	gaccctgagg	taggcagtga	60
	cttctgtcgg	cagcgaacta	ggccctctca	ccaggctgcc	ctaccgtgct	cagtgtctgcc	120
	tcattggtgca	aagtgggttg	tgagctccag	tcattcattt	agccngcnga	anggggaagg	180
	gnangggnaa	aanntttccc	ccccnctngg	gggatttctt	tncnncccc	cagtnaggat	240
	tttngnttta	ttataaggna	agaagagaca	gttagcngag	gcttcctgt	ccaccagg	298

<210> 263  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 263	tttttttttt	atcagactaa	gcaacttgat	gaccaggacc	atatccccta	tttcttagta	60
	ttctcttcag	catttttagc	agagtaggag	tcggtgttga	atacaagttt	gtcatcttat	120
	ggattatata	ttagggtgaa	tatcagagct	ggtgtccatc	atgtgaacag	gcagcatggt	180
	actggtgggg	agaggggtgg	aagtacagag	tactagggcc	ccaggagcta	atattgctaa	240
	cttgacaata	ttggtaaaag	ctagaccngt	taagaactac	cngcaatggt	tagtactgaa	300
	agcaaaaggg	gaaggattca	tcaggctaaa	ataaaaaggg	gaaactagca	ggttgggcat	360
	aggggcagaa	cccangggaa	aaccaaaacc	aaaaccccc	aaaaaactac	taggatttcc	420
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<210> 264  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 264	tttccaagcc	aacattttatt	nttgcacaag	cctgttgcag	tcctgagggg	atcttctggc	60
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	agcaggntcc	tatccagatg	atacatgaga	tggaggctcc	tcagccacac	tccagggagg	180
	gtgggggtgg	aagggggatt	cagggataat	ggcattaata	atacaagtgg	taaacaaata	240
	accaagaggn	tctggctggt	tacgntacac	aaaanttagc	agtaagagtc	cgtgctttca	300
	cattcctatc	agacagatct	gagttcaa	cctgtatgt	tagcaggggtg	aggtatctgc	360
	tttctttcag	agcccatggg	tgcacatctc	tgagcctagt	tacaacagtt	ggcacatagg	420

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<212> DNA  
<213> Homo sapiens

<400> 265  
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 <211> 1908  
 <212> DNA  
 <213> Homo sapiens

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 <211> 3100  
 <212> DNA  
 <213> Homo sapiens

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 <211> 3128  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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<210> 274  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<400> 274	
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cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc	180
ccgagttgtg ttataaata ttagacaaac cacaaaatat attccaaata cataacattt	240
tacaatatatt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga	300
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t	341

<210> 275  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

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gcaacaagaa gttaagaaac atagggcact gtgtcgttat gggatgaatcc tagtcgtcct	180
gcagcccaag gtccaagcta gtttactcca taaccttaag taaataaccg cggttcctat	240
gaataccttt ccaaaacat ttattataaa aactcactct ttatccatta tcagtattaa	300
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<210> 276  
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 <212> DNA  
 <213> Homo sapiens

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tttacttctg tctttggtat tagaactcta cacaaatctg cagcatttaa attttccaaa	180
acaaagtatt aaacgtggac aaagatgtaa ttggtaatgt cacaaaaagg ggctccaata	240
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aaggagaggg tctattgact aaaataaaca atacatgcta caataccatc cacaggagtg	360
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<210> 277



<211> 384  
<212> DNA  
<213> Homo sapiens

<400> 277  
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tcttcagcca gggagcttca gtccaattgc acattctcct cgatcggctc tccaaggacc 180  
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agatcaggtt tttttctcca ataaataata atttgacaat ccaatccatt tccatcttaa 360  
gaaattgttt tcacttagga aaat 384

<210> 278  
<211> 212  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 278  
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tgcccctgac ttgcnttgtt tctcagagtg tcttcgcagc acagtttntg aaattcaaat 180  
agtngttttg agacaaaaat nccgccaggt ac 212

<210> 279  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 279  
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catccataat tgcttgaatg ctaacttgac tgttacatgg acctgttaca aataatgaac 120  
aacagagcta ctccagtata tgactagtca ctgtgaaata aaaacagacc catggcacac 180  
atggaaatt 189

<210> 280  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 280  
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gaagtg 186

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<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<210> 282  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 282  
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<210> 283  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 283  
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<210> 284  
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 <212> DNA  
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<220>  
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 <223> n=a,t,g or c

<400> 284  
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<212> DNA  
<213> Homo sapiens

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<210> 286  
 <211> 2834  
 <212> DNA  
 <213> Homo sapiens

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<210> 294  
 <211> 1356  
 <212> DNA  
 <213> Homo sapiens

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<210> 295  
 <211> 2660  
 <212> DNA  
 <213> Homo sapiens

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 <211> 402  
 <212> DNA  
 <213> Homo sapiens

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<210> 297  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 297						
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gctagaaaat	actccgcact	tcctccagaa	ccctctttcc	tggtaacggg	tatcctttgt	420
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<210> 298  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 298  
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 ctctcccttc tgcgtgtaag ccatgggaaa gggatgaggg aggacagctt ctgggttaaac 360  
 acaggtccct cttccacatc aaatgaacat tggcttctctg ggacagaagg ccttcaaagg 420  
 agggattgca aagcaaggca aagcgttctg tcttcatttt ccccat 466

<210> 299  
 <211> 622  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 299  
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 aatttgcaaa gaaatgttac atactgtata tcaaactctc agattctagt gttgaaaaag 180  
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 aatacgctgt gtatgtatgt gtatataaat gagaattatg ggcattattgg agcattgcat 480  
 taatccacaa actcncattg agacaaacct tagtttacag ctgtctgatt aaagccagtg 540  
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 aaggattcnt ttaaatttaa cc 622

<210> 300  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 300  
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 ttctgcccgg ccgccgggac agcagactgc cggtaacgcg cgg 103

<210> 301  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<400> 301  
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 gggacagggg gaggtccca gacgctcctc gaggtgccca gctctccagg gagcttctgg 180  
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 caagccacag acgcctgccc tgagtggact ctgcggccag tccctgggtgc cctcctggcc 300  
 ctgctgcca gtgagggtc ctacgggtgg gttcattggc ctgggcccagc aagccccac 360  
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442

<210> 302  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 302  
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ctgctttgca aagaccggg agctggcggg gaaccctggg agtagctagt ttgcttttn 180  
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<210> 303  
<211> 493  
<212> DNA  
<213> Homo sapiens

<400> 303  
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<210> 304  
<211> 437  
<212> DNA  
<213> Homo sapiens

<400> 304  
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gaacattaaa ataggga 437

<210> 305  
<211> 444  
<212> DNA  
<213> Homo sapiens

<400> 305  
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tattccactt	caaggtctga	agtaggactt	ttaccttaaa	aaacaacaac	aaacaaaact	420
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<210> 306  
 <211> 335  
 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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<220>  
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 <223> n=a,t,g or c

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	gccaccctgt	gtggggtaat	gccgtgcagc	taaaatatga	tttacgcaac	accatgacta	240
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	tccctcaatt	cactnccnnc	ccggnnggna	tccantngtt	ccnnttctcn	ccnnnnnnnn	540
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<210> 327  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

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	cactgagtct	cccaggcccc	cttgatctgt	acccacccc	tatctaacac	cacccttggc	300
	tcccactcca	gctccctgta	ttgatataac	ctgtcaggct	ggcttggtta	ggttttactg	360
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<210> 328  
 <211> 477  
 <212> DNA  
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<220>  
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 <223> n=a,t,g or c

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 gtgcgcagta caaatgtcag ctctgaagag gaggaagtaa atcttcaatg ctagggcaga 180  
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 tntttttagg caagaagtgt tgccggtagg natgtgtgct ttctttgcct tcctatttcc 360  
 tttcaaagaa atccctgtaa attcaaaaact gtgaaattgg gttgccaaaa actgttgncc 420  
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<210> 329  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

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 gattttgccc actattcctc tgagctgaag ttctttgcat agatttggtt taagcttgaa 300  
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<210> 330  
 <211> 477  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 acatcttctg tgggattttg taattcctaa cactgtggca aaaatgggca ttttggaacc 420  
 actccttttt tttggttttn ggtttttatc cacatgngca gtaatcngga actggtt 477

<210> 331  
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<212> DNA  
<213> Homo sapiens

<400> 331  
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 ctgtaagcag cggtttgctg tagtggtcca acaggtacaa gcaaacattt tggctcagct 180  
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 ggatcaaaaa gaatgggtct gtttaaaaat aaaaattgtt atgttttgtg ctgctgtcca 300  
 aaggctcaaa ggacagagtc atgaggcaga agtttcccaa ccagatctag aatcactggg 360  
 accacttcct tcctttccct tctaccaacc tagagacttg gactatgggt tcaaagtgaa 420  
 attggcattt ctaacaatga ataccacag ccctcactta 460

<210> 332  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 332  
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 acaaagacta ttaataaagg aaaaatcctc aaaatgttac ataaagatca catcacaaaa 180  
 cttttacata cagtgttatt ctgatttatt tttgaagggg taaggagaag gaaaatatat 240  
 cacttttaaa acgtggaact ttcaatttgt tgt 273

<210> 333  
<211> 320  
<212> DNA  
<213> Homo sapiens

<400> 333  
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 catttttagga acagtaaata ttcttttaaa tactgcaagt taaaaatgtt ttctgacaaa 180  
 actccctaaa tacataggtc tagtaagggt ttccaacagg atgatgggtg aggaatccag 240  
 caaggagtgt catttagaag agttctttga ggaaaagaaa tccaccaaaa acgtgtttca 300  
 gtcaaagtaa cctggacaaa 320

<210> 334  
<211> 458  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 334  
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 gtataaatta gtataagaat cataaacaac cacttttaat aaggcagccc ccctagccca 180  
 cccactaccc tcttctgttc cctatctccc agctttctta gccatccccc actttctccc 240  
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 gaaaggaagg gggaaagaag gcccaatccc tgatgggggc gtcagtggca gaagagactt 360  
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 agcagcgtta nagcaagcat aggtaaaggg gcttgggg 458

<210> 335  
<211> 397  
<212> DNA

<213> Homo sapiens

<400> 335  
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ataaaagaga attctgcttt tcatttgtac aaatactgct ttcattcattg caaaactttc 180  
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aagttatttg ctgtctgttg ttaatcggtt acattgtcac ctctaatacc agtcatcaaa 300  
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aatcaggtc ataggattcc ttttttttta aagataa 397

<210> 336  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 336  
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<210> 337  
<211> 656  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 337  
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aactggagtt gatattgagg atcatgtaaa attattcttt atagactttg cattctaaat 300  
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tatattatat gtagaaacta gggcctaaat aattaagctg acttttccta ttagttattc 420  
cttaagataa aattatgctg gtgaaaatga ctggtgaatt tctcagaaat taagctctat 480  
agaggctaag taatcgaaag actttttccc tgaataagta caataccaga agccaaactc 540  
tataaagatt tcgnattata atccaacnga ggcntaaaat tatgaaaagc caacnttccc 600  
taaangcccc tgaatggaat cntctaagtc nccagtttag ttncctggata aagngc 656

<210> 338  
<211> 479  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 338  
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60  
acaaaaacac aatgtataca ttaataaatt aagtgggctt gagtattcag tatccatcta 120

ctagaatcct	aaagctcttc	cccagatttc	acaaaggcca	atgtagatta	tttctatttt	180
atcaaagttc	atttgcacag	ttggtgtaat	tgagatacta	acatttcttt	tttctagtgt	240
tttaaagata	gttcacagta	tttgagttaa	ttaattaatc	aactgattta	aatcttttgg	300
aaatacaagt	atttaccatgt	aaaaatgttt	agctcaaatt	tcagtaaaaa	actggaaatg	360
accaataacc	tactgccaac	tgttttggta	taatccagaa	atgcatgagc	cggactccca	420
ccattaagaa	atggcactgt	cnaggacctc	ngatgataaa	actggaatcc	ncaaaaaaat	479

<210> 339  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 339	acaagtatct	acaaaaatctt	tataaattca	catatttttc	tgaaagtgtg	caagcagtct	60
	caatttactg	ggacaaaaat	gaacattttt	gttcttttagt	aatgaagtca	atgtacaatt	120
	cagagcaggt	gtccatagaa	acaactaggt	ttgaaaaaac	ttaagacaat	tcacagttga	180
	aatcaaacia	acactgtgaa	tgtgttaaat	acttgccata	taacaacgct	ttaacattga	240
	tcttgctaaa	taaggctatg	attcataaga	tgcattgtatt	tccaaagctg	tttaacattc	300
	ttataaatta	attcacagga	ttcaaatagt	tgttttttag	cttcaactgg	gtattagcaa	360
	aaataatata	aatgatccc	cgtgcaagca	c			391

<210> 340  
 <211> 523  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 340	cccattgggt	gacagcgttt	attgaaagga	aatcttgctt	tatccaggaa	ttcactcaca	60
	tggaggtagc	tgcaaggaga	atgtctcttt	ctcatgacaa	ccaaagcgac	caaaccatac	120
	cctaaagcag	agacgcaatg	gaataagtca	acgggcattg	tagaacgaca	ctcagaagca	180
	ggaaaaacca	taaaagatac	aggatgattg	tctcttcagt	attgcatttg	gccatgtatg	240
	tgtttttaca	taaaatatat	gttttctttt	taagctagct	aaagaaaata	ctcttgatcg	300
	gggttagttc	ttaaagcaaa	aaacagaaga	aaagtatgta	tatataatan	aattaaagaa	360
	cgatagcatg	ttatacctgg	aaaggaccgt	gggcactaat	ctgcactttg	ttccaggtaa	420
	tccatggctc	tgagagttag	cacactgtca	aagtcactgg	ggtgagatga	gccgggactt	480
	ggaaaaccct	ctcttaactt	tcagtctcaa	ctcctccac	tcc		523

<210> 341  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<400> 341	tttttttttt	tgctgatcta	gacttattaa	atttatttca	tgtcattgtg	gtcactttta	60
	cagctgttta	gacttatttt	caatcacatt	actcttcaca	gaattcacag	aattcattaa	120
	ctaactagta	tgttacatcc	aagggttctt	agtagcatat	tgaaatagaa	aagaggccca	180
	cgagttgttg	cttgtgtgtg	gaacctgagt	ctgattactt	agacagatgt	ctagaacatt	240
	attgctttat	taggcctatt	tttaaaaata	ataaattatt	cctaggaaac	ccaccctgcc	300
	aggtgctcat	tctgcgactg	ctgtgggttc	actcagaaca	tacctgactg	gtgggtgctg	360
	aatgaacctc	ccacccatgt	accctgctgc	tccggacgct	ctgagggcta	gagcaatgcc	420
	cctccatggc	gtgtaaacat	tttctacag				449

<210> 342

<211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 342  
 tttttttttt ttttttttcc aattttaaca tagaacttta ttgaaaacac agactcaaat 60  
 agagaaccat atattttaaac aacgaatagc agggtagctt acttaggtga cacagttcat 120  
 tgaaaactta atactgaaaa ataccgcaat ctggacagca agacaaatat caacaaatgt 180  
 gtttt 185

<210> 343  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<400> 343  
 aaaggggaaa aaaaaccagg attaaaggtg attccaactg gtaacaacaa atataacagc 60  
 ttgaaaaact catgacacag acgcataaat ataataaa aagacaattt taaaattgta 120  
 ttgtaggaat ataactataa taagtggaaa agatacatta aaaccatcag tgtgttacac 180  
 ttgttcaaaa cagaactcat aaggcagacc aaaactgatg caagttaagg aaaatgggtc 240  
 gtttttagga agcatgtcca gacagacacc acaaagaaat gccaacagag actatgtggt 300  
 cccctcttgt tactagtaat gtgtcaaagg tggagtgact gggttaacag cctaagcttt 360  
 ctcc 364

<210> 344  
 <211> 543  
 <212> DNA  
 <213> Homo sapiens

<400> 344  
 taagagtgtt ttcagtattt tattaacaaa tgagctggca agaggacaag tgatctagta 60  
 gtatcaccac caccctcatg gagcagccac cacaagccca ccatggtggg ggggtgtccaa 120  
 catgctctgc tggcccagtt cccagccgat cccctgagtc ttggcgcccg tttagtcacc 180  
 cttcagctgc ttgggaggca ggaagagact tcccctcttc acgaggtaag ggagacaaaa 240  
 gcagccattt ggatgccagg gccacagggg caagccatgc cctatttctt tggagggaca 300  
 gaatcacttc ttcccaaggc cagacactgt agcccatggt actcagcctt ctagaggagg 360  
 gtgcctagc agaggagaag ccctgagtgg aagcagcatt ttgaaggcat cgtcattctt 420  
 agaccagcta agagctgagg gcattctcta tctttgccag cagacagtga gactcccgga 480  
 ttaaaattaa aagcccgtgg tgcacccctt ccttgacatt aactttccac aaaaccttgg 540  
 agg 543

<210> 345  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<400> 345  
 attttataaa cataactgca tctttaattg ggtgtacttg aataattgaa aactgaacag 60  
 caaatcaatt tttatgggtc attttctcca acaaacaaca atattaaact gtatgagaag 120  
 taatatattat tgcaacaggt tatgaggtgg aaacaaataa ttagtcttac aatttgctag 180  
 aagcatgaca gagcttacta acattttgaa gaaaaaacag caaagaaaga aatcatcaaa 240  
 caagatggta tcttgacaaa ggcacagcgc tccacaactg cttcatactc tgtgcacaag 300  
 aaatcctctc gagagaggag aggagtgatg ccaaattggc ttacattaga cccgtggaca 360  
 ctaccactgg tattattcat acaaccaagg ctctacaaca cccctctgga gaaaaagtgc 420  
 aacacaaaat ctgtgtaaca aaggaaagca aaagtagcaa taagggc 467

<210> 346  
 <211> 379  
 <212> DNA



<213> Homo sapiens

<400> 346  
tactatctag agtctagagc tcacagtaca gagttttgtg aaatacgggtg cctatgagaa 60  
ttttcccatg gtacacagaa gccacagagg tgccctgaag cacagagcca ttgttggcat 120  
acacgggtgct caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgac 180  
ctggagggtc ctcagggtta tagttcagta gcttcatagg attaggatgg catcctgcc 240  
aaatgtctcc tgtggcagga tcgacagtca ggttatccac taagggtgcc aactgtatca 300  
ccttcagttg agttaaatcc cagttatcat gtttttccat tatgtgaatg gtcctaactg 360  
ctacatcagc tacatagac 379

<210> 347  
<211> 384  
<212> DNA  
<213> Homo sapiens

<400> 347  
gctacctcaa attcgggtggg caacgatagt taacactttc ctagttttta gtttatttga 60  
ctgcattcat acatatctga tcttcacgac aacactgtga caaagggaga ggcaagaatg 120  
ataatcttca ttttacagac tgaggaactg ccgacagacc tgccatctgt ccaggccaac 180  
ataactaaca agtagtggag tccaagacct cagcaaaagt tttgttcttt tacttttgtt 240  
agagtggaga agaaaaaaaa aaagggtttac aatgattact gagaaatgaa gaaataagcc 300  
actgtttctt acaagtagat ggtcccatat cttaaacttt ggggaagata tttaaaaata 360  
ttttttaaat agctggctgc tgga 384

<210> 348  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 348  
ataacacttg aaagtataaa atgctacatt tccaaaaata tatatatattt tttctgcacc 60  
agcacccttg tatagtaaaa gtatctactt tttgttcatt tgtttcaatg cactacactt 120  
tatctacaat ttcattacat gtatacagca aataggcaag catggctttt acatccttaa 180  
tgattttttt ctatacaggg aggtttaaaa aaaaataactt gaacagtttg ccagtaatg 240  
tgacacataa tgcattgtacc ttgttctcat atttttttag gtgtaaaata aagattcagt 300  
aattttaact cagatattta tcttttttaa aatagtgttg c 341

<210> 349  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 349  
tttttttttt caaattcaga gcatttttat taaaagaaca aaatattaag gcacaaaata 60  
catcaatttt tcaaatgaaa acccttcaaa cggttatgtc ctacattcaa cgaaacttct 120  
tccaaattac ggaataattt aactttttta aatagaaaaa tacaagttct taaatgccta 180  
aaatttctcc ccaaataaat gttttcttag ttttaaatgaa gtctcttcat gcagtactga 240  
gctccaatat tataatgtac acttccttaa aaatctagtt ttgccactta tatacattca 300  
atatgtttta ccagtatatt aaccagtata ttaaccaata tgtaaactt cttttaagta 360  
taaggcttgg tattttgtat tgcttattgc atgctttgat catacaagac 410

<210> 350  
<211> 400  
<212> DNA  
<213> Homo sapiens

<400> 350  
ctttaaaacc atttacttac aaactttaat tcagcaaagg tccgtgtggg gagactgggg 60  
tggggctcggg ggaatagtcc ccttgaggat gatgtggacc ccagagtgca agggagggaa 120

gctggtggcc	cagttggctg	ggggcaaggc	caggggtcac	ctcaggtcga	caggtcctgc	180
tggtgggcgg	gcccagagtt	tatcttcatg	gagtgtgtgt	ttctggcact	gggctggaag	240
gaggccagct	ccagggatct	ggcctggggt	gggcaggcag	aattcaagaa	ttcatcttca	300
acaagcgagt	gacagcagag	gctccgggag	atgggcacaa	tgtccgactc	ccacagacag	360
acagcagggg	actggcagag	aaagcccatc	tctgcacgga			400

<210> 351  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 351	cctttttcca	atcttcattc	tcggggttgg	cccgccccga	tagtcaactcc	atgtcctcgt	60
	ttactggttc	atcttcgtaa	tctctgtcat	ggtcaaaaac	tggactgtgg	ttggctgttg	120
	tcactaagga	cagggggcct	tcagcttctt	ctggatcgag	gggctcttct	ttgacgtgta	180
	caggatgcac	ggcttgcata	ggagatctgc	ctggactgct	gtcactctcg	ttgctgtttg	240
	tatgtctcat	tgccccgttc	agctcttccc	gtattgcgct	ggctaagttg	cccagagtgg	300
	gatttcccat	ggaagcggtg	gtgtatagag	gtatacta			338

<210> 352  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<400> 352	agtattatca	tttattgagt	agctacactg	tggccagaac	taagctttac	atgttttata	60
	tcacttattt	atctcaacaa	tcttgaaagg	gtggtattat	tttccccgtc	ttataggtga	120
	agactctgag	gttcagaaag	ttaaagtgat	atcgccaggg	ttcctgactg	gtaagtgatg	180
	gaggctgaat	ttgagccaga	tctatatgct	ccatcatcac	tctcctgggg	aaaagagcct	240
	agatgtgttc	tatctgcatt	cctgcttaga	ttctgcatga	cttctcctgt	ccatccccct	300
	ggccccctct	cctctagtcc	atgagattac	agctttgcac	actgacagga	gggtccttcc	360
	ttcttagcct	acacatacaa	ccaggtgtca	aaggatggaa	gggttcatct	cacacactca	420
	cagaccatgt	agactattca	atctacacct	ccagctcgaa	ctcagaaca		469

<210> 353  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<400> 353	ggtgtggcca	gagctccaat	ctgtgtcaga	tatttattta	tgtgtcttat	taaggggtct	60
	ccaggcaccc	ctgtgacaga	agagactaat	cagtcacag	ccaggacca	ggcatgtcct	120
	gggctcctgt	gtccagcatg	aggtctgtgg	ctgatcttgc	agctgaggcc	tgaaggggtg	180
	gcgaacattg	acctgtccca	actttgggcg	gcctctgccc	cataaggag	actgagcagc	240
	cagaggcttt	aaggggatga	aggcctggcc	tgagcccatg	tggccttagg	gtggaagcac	300
	caggaccaca	gaacacgtgt	ctaaaagact	tgcctgcttc	taa		343

<210> 354  
 <211> 547  
 <212> DNA  
 <213> Homo sapiens

<400> 354	tttgggtttt	gtaaatcatt	tattatgact	gaaagggaag	aaaatgatag	gagacaaata	60
	ttacaattaa	acatgtaaca	ttattctctt	gtaaccaatc	ataataacat	actttgaatt	120
	tttgaatggc	tatataattt	cccagaaaat	aaaattttca	catcatcagt	tacagaaaat	180
	tgattttcct	ccatcaaaaat	attttatctc	tgtcttatca	aaaataaatg	ccaagtctaa	240
	ggtactacac	agtttaagat	aagccttcac	tacttgttta	aattagagga	gtgtggggag	300

gggcttacca	aatgatgaat	aaactactgc	ctgagaataa	agccctcaca	cataagtaac	360
agctctgtca	agcctctggt	caccaactaa	ttattaaatg	gctctctagg	aacttagaaa	420
ctcttctgta	accagccaa	aaggcttctg	agagtcatca	caaactgggt	accagtttat	480
tctcaaaaac	aaatttgctt	attcgatggg	cgactgtggc	tcaaaagatg	taggggaaac	540
agtcaat						547

<210> 355  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 355						60
tttaatttta	aagaaggtat	atttatttaa	caaacatgta	tgaactattc	attaacaatc	
caggactgtg	gaggacaggg	gacagaaaca	agcctcgaag	agatcacaat	atggtggagt	120
gcatgcatgg	cacacctggc	tatctgaatc	agacgtttgc	ctctgtgtgt	gtgatgaaga	180
cagtagtgag	tggaatggac	agagagtaac	tgtaaattct	gtagggagga	aaacgaacgt	240
ttactcattc	tctaacagtc	ttttgcttta	ctatggtcac	atacaacagt	taatctccca	300
tcctcagttc	ccagataccc	accagaaaac	cggtaattaa	cctctggata	aactttcact	360
gattacagat	gaggagcgag	gcaaccttaa	gccataaaca	atattcctac	agtatggggg	420
agc						423

<210> 356  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 356						60
ttttgtggat	aatatttatt	tgtatcttat	ctatagaaca	aatatttaca	gatacaaacg	
gaatcacagc	aaagttgcta	taaaaccatc	cagacctctc	gatggccact	tctgaaaaca	120
tccacggtga	agggcagggc	aggcctggct	gtggagtggg	ccagctgagt	acctgggcgt	180
cacaagggaa	atggttgggg	attatggctt	cagcactctg	ccggagcaca	ttcctgagcg	240
ctgacaacgt	ggagccctca	ccgccccac	ctaccccaac	ctcaatgggg	aaggaaaggg	300
gcctgagctg	ggcagggctg	ccgnnggtca	ctatgtgcct	gctccaggag	tccttggccc	360
ctgtgctggc	aggagcatc					379

<210> 357  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<400> 357						60
ttttttggga	tttcattatc	tcagtttact	ttaatttgct	tgtttacaca	cacgatctgt	
gtgtacataa	cagtggcaag	agccattctc	taaataacaat	ctggtaccca	gactatgaca	120
gatgcacgtg	gaaaatgagg	cgtcagtga	ttaatctcaa	catagaaagg	caaaataagc	180
atggcagtat	tctatgatca	cagatgcccc	cagagcctgg	gggtaaccga	cacttttcaa	240
cataatacag	gacaatttta	acaaaagacc	cagactccaa	atggcaccca	aaatatattc	300
gtttctctgc	cttctctaga	ggagtcagaa	agttctaaag	gcttactcaa	gaaaaaggag	360
gcagggagac	tatggcctgc	taagcacaga	tgc			393

<210> 358  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 358

ccagtcgggt	tggagtttat	ttctgccaga	gcctggaggc	tgggagggta	aaggacactc	60
cttttagtccc	agaggggaagc	tccgaaccct	cagagcaacc	agaagggagg	gcagagcatg	120
ggcagcagca	ggagttagag	gggtcccctt	gtcctgcccc	tttgcaaggg	ttcaaggctg	180
gtggaggcct	ggggcttctg	tcgctcagga	gttcaggggt	ggacgcagaa	atgggggaag	240
gagagtggct	acgtagagag	tgagagcgag	attcctaaaa	agatgcacag	agagaccctc	300
agagagaagc	agaggggaatg	ggttgactg	gctgaggatg	gtggaggagc	cgtctcactc	360
ccttcctaata	gtctatagat	caataacgag	ggaagaaagg	aggacaggga	gctgatggaa	420
acacagcttg	ccaactgtac	ccagtccccc	aacaagc			457

<210> 359  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 359	ttctttttttc	agtttaattc	cattttattat	tctttaagga	tacatacatg	gagataaagt	60
	gatgaaagag	aagaaggcta	tggtaacac	aaagttcagt	acaggggttc	cctctatcag	120
	acagggatag	agatagggtc	agcaaaccgc	acacgggtacc	tcaggggaaa	ggcaataagg	180
	tgggtggtag	gcacacaggg	gtttgtttat	tgtcattatt	attactcttt	atacttttagc	240
	atatatatta	tatgtgtata	tacatatcta	tattccattg	catgta		286

<210> 360  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 360	ttttttttt	tttttttgc	ataagataat	ttattacaga	ctagcctata	atctcctgta	60
	acaatggcac	atataataat	taacaacagc	aaagatgctt	ggtttcttgt	ttcatgtaat	120
	ggccagtaca	tctgtggaca	atgtcgagtc	ctcaggaagt	ccaggaggct	gctacagagg	180
	aaatccaaga	accatgtcac	atctctcaac	aagtcttggg	aagtccatct	gactctctga	240
	aacagtttgt	ctctgacctc	ccaggaagtg	tggagggccc	cttccatcca	gcctgtacag	300
	agggatcaga	gtccaggctc	cttctatagg	gttgaatatc	agaggggaat	agcaaatgac	360
	cccgatgaga	gagagagaga	ccaaaggcta	gattctttct	gcaaggtgga	ggacggctag	420
	aaggcag						427

<210> 361  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 361	gagatatataa	aatctgtatt	tatattacaa	tgacataagg	acacagcacg	gcccacacgg	60
	tggacagggtg	gccggggcca	ctttccccct	ctagcgcacc	ccccctcacc	ggcaccaggc	120
	cctcgtgtgg	cccccgactc	tggcacggaa	cctgccctag	tgcccaacat	ggacctgggg	180
	ccacctgtct	ggccgagggt	cagggtcctc	tgtgcaggca	gtggggaggg	ggtcccaggt	240
	tccctgacag	agggaggcag	ggcacggggg	agcctgcctc	acccagcgga	cagcacgggc	300
	cggggcagac	agagcaggga	ccctagggcc	acagaccggt	acagggttcc	accacccggg	360
	gacacaggcc	caagcaccg					379

<210> 362  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 362	gctgaaaagg	catgatttta	ttgcacactc	acaatatgac	aggtgctgtg	ctactcatca	60
	acactctttt	caaaacagga	tttgagaca	ggattcttca	aaagagaact	gcacattcaa	120

ctaaacatgt	ccaaaaaact	tcaactcttt	tgaattagtc	tccaaatcta	cacaaaccat	180
agaaaataga	agatcattaa	aatacatgat	tatacacaga	caaattggaca	aatgaaacag	240
taattaatat	tgcttgagct	cagattgctc	ctgtaagatc	tgagaaatc	gtatgatggg	300
gtaagggtttt	ctagaacaat	atttcatcag	gagataatgg	cagtatctca	ttagactaaa	360
aggagatgat	agatgctgga	agatcagttt	tcatac			396

<210> 363  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<400> 363						60
gcttataaat	ataatttatt	acctgtttta	aaattctttc	ttacattttg	tacatgtttg	
ctgacagaat	aaatgcaggc	aatttacaaa	ccaaggggac	tgaggggaaa	atcaggattg	120
gcagccaggg	agagaaaaga	ggcacacccg	gagctggtat	ccctcacctc	caccactcag	180
caaggcgccg	gacagatatc	cggaggcact	ctgcctctgc	cgggggggtt	ttttagaaaa	240
ggaattgcat	agaagataca	gcaagaggga	actccacaac	aacaaaagt	ttccatatcg	300
gaaaagccaa	ggttgtcatg	ttttgtttta	aaaagaaaaa	cgacaaagca	caaaacctca	360
atccgacctt	tctgcagttg	aactgttcca	aaggggacag	taggtggatg	acactgcctc	420
ttcaacacga	ctgctgggga					440

<210> 364  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 364						60
tttaacagag	gacgtcattt	tattggctgt	ccacgggaag	tttcatcaca	cacggagggtg	
aagactgtgg	gggttgtggc	acacaatatc	tcaacacgag	acctcatcga	gcggccaaac	120
agaaggtgaa	gtgacacccg	acacgacgga	acccagccg	ccctctgcag	ccccgggtgc	180
acctctccac	agacgcctca	gcccagtaag	ctgagtgatg	acactgtcca	ttagtctcag	240
ttcgttgcac	tgtcttccaa	caaaacagca	cttgaaaatt	cacaaaatta	aaaaaagaaa	300
aagaaagcag	cacttccttg	gaaatagcaa	caccactgta	acacagacgg	cagcgtggca	360
tgcagatcca	cacctggctg	gttttttccc	tttaggattt	tttttttttt	taattaacaa	420
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<210> 365  
 <211> 500  
 <212> DNA  
 <213> Homo sapiens

<400> 365						60
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aggtgcaggg	gaccaggagg	tgtcctggca	caaaggttcg	gggtctctcc	tggcaagggg	180
tcccagggcc	tggagccgag	gcccagccaa	aagcacacag	catcaaaaca	tgttttttagt	240
gggaagctcc	aggccctgcc	cctccccggg	ggcctcgagg	atgtggagca	ggtggaatcc	300
tgtctgcctc	caggtcatgg	cagtgcaggc	ggtgagctgg	gggccagcag	gggcgcggac	360
agtgcggcgt	ggtcgaacag	agggttgcgc	acctccattt	ccccggtcgg	ggccaggccc	420
gggcactcgt	acaccgtgaa	gtctccgtcc	tcattctcct	catccgagga	ggcctgttcc	480
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<210> 366  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 366

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ttcatttcca	tttctgaag	gatgaattta	tcttggaac	atttgagatg	ggtacatacc	180
tcccagagcc	agacttgga	ggaatctgtc	aaaaatatca	agatgctgag	ccttgtctta	240
gaaaggggct	tcagaaatgc	tttcatgggc	ggcggcttct	tcccggggta	aaggtctcgt	300
ggagctgcag	ggccttgctc	ccaggatggg	aaaacaggga	cccagagctg	ttaagtggct	360
cccacaaagt	cacccaacca	ggctggggcca	aactgggttt	gatggc		406

<210> 367  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 367	ttttctcata	aacaggaact	ttattaaact	acatgttaca	taaaagaaca	tataaatgga	60
	ccattaaata	cattcagttt	attttaaaca	aatttacata	gatacttatt	tacatttctc	120
	cattgtattc	ttaaattatt	tttccaagct	tactaccgat	aaaaggtaat	acaatgatca	180
	tctgtcaca	cagatgcata	gagaagttgt	ccacagggct	aagtaaagca	ccacttccca	240
	ggaaacacag	cttattagat	cttccagcaa	caactcatgc	tgaaggtgct	ctcttctgag	300
	cagcccttga	ggtgaggctt	ttgctttaga	gatgctgggg	gttggttctg	aggagctgac	360
	ccagggcaga	gatgggtcct	tgctgattga	cctgacttgg	actcacagag	gtggaaagac	420
	ctgtggagac	catcatcgag	gcc				443

<210> 368  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 368	tttttttttcg	taaacaaaat	ttaatacaac	catatagtca	agtaataatg	gttaaaagac	60
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	atgtaagtaa	gtattcacgt	gctacaactt	aactaagaac	aattaaatac	aaagcattct	180
	ttccactatg	aagactctgg	agcctcta	tgaaagcaaa	tgaccttagg	tctatactag	240
	ttgtaaagca	gattatactt	ttgttcaact	ctaaatttgt	attgtcttag	agctccaaca	300
	actctcaata	aaaattttaa	ttaagaaacc	ttgggggagg	ggtgataggg	aaggggagag	360
	taagtgtttt	tttaagaaag	ttaaatgaaa	aagcctgaag	agggaaaaaa	ttgtacataa	420
	gtatggaa						428

<210> 369  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<400> 369	ttttataaat	atgtaactgt	atttttcttc	ctgtccagaa	actgttattg	aataaaattc	60
	aggtatatct	ctccaaaacc	cacacagttc	agagattttc	aaacaccagg	tttccatttg	120
	tattaaaatg	ggcaagataa	tgaaggcaca	ggctcacttt	gtatcaataa	aggacatcaa	180
	acacagtcac	gaggcactaa	tgacataagc	aatcacaaaa	agcaagtgtt	caaagtcttc	240
	agtaactctt	ctccctttta	catttggcaa	aactcagtc	agatatttta	atacctcaga	300
	aagaa						305

<210> 370  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 370	tttttttttag	tgctaaaata	taacatttaa	tgtcacattg	ttgggcgact	cccatttact	60
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ttttccatat	atacagtga	gacttacaat	agctcacaat	gcagttaaga	attgcatttt	120
aataatctca	aactaccatc	taatggagga	aagaataagt	ttgtcagaaa	accagtacag	180
ccattttgct	attaaaattt	tcctttttta	taattttatt	aaataaggta	tttgaagcag	240
tttagaaaaa	acaagatttg	tatttttatt	ccttgtaaaa	atctttacac	atgcagacaa	300
accagtgtta	agaaagtatt	caccatcatt	taaacaaata	accacttaaa	tagaacagtg	360
tctgcaattt	tatctgtata	aaaataagat	acattttttac	agaattcacg	ct	412

<210> 371  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 371	tttttttttt	tttttttagt	tacatagcat	ctaagttttc	tgatcactac	caggtaattt	60
tcaaccaata	agaaaaagga	accaacactc	agctctgtag	aaatctacct	tcttttagaa		120
acctcaggcc	tctgcacccc	tttagacaac	tcattttacaa	ccacaacctt	ccatggcttc		180
tcacatgcc	gccagggcag	ggtaaaaacg	gcaattttctt	acaccgaaag	ggccttttta		240
tgtaacaaac	agacctcccc	aaaccacaac	ttttttg				277

<210> 372  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 372	ttgtggcaga	aacattttta	ttgtaaacag	caaggctctc	tgccaggcag	cccagatgaa	60
caggggtggc	actgtgctgg	ggtagggtgc	tttctttgtg	ggaacgaaag	cagacggccc		120
accctcgtct	agccctgggc	ccctgtcccc	aaggccagct	cgctgagcct	gcgctcctcc		180
tggaagcgga	tgagggcac	tctctggttg	accaaatacca	ccagcttcct	caggacctgg		240
tcctcagcct	gccgatcagc	agctgtcttt	aggttttctt	cccggttcat	gtagcctcgt		300
agctcctggg	ccagctgcc	ctgtttctcc	tccagattca	attcctgcac	cgtgatcatg		360
agctcggcct	cctcagccac	cagggtggtt	ttcttgtaaa	cgagctgtag	cagctgtcct		420
acccatagtt	tcttttgctg	ttctggggaa					450

<210> 373  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 373	tttttgaatt	ttttaaatta	tttttatttt	ttgatgaaaa	caagaaatac	ggtagtgaca	60
ctttattttt	ccttcaagca	catgggagaa	gacaaaagta	ctaaatgatc	attgagtttg		120
acagagaaat	tctactggta	cttactactgc	ttaggaacat	aaatgtcaag	tacattacta		180
gggcaagaaa	tatcaagtaa	gacaacagag	tcgtattttt	ctttttgagg	ttattttcac		240
aagacatagc	tataatttgt	aaaatattca	gactattgaa	agatcacatt	caaattatat		300
ttctaagaat	agagccatat	atgaacagag	agcaaaaaca	gctaatacat	taatgaatat		360
tactgaatt	cttcatactg	cacaggacac	aaatttggtg	tttttgcaca	tgttgtcaat		420
tataagcaaa	aagcaggcct	gtaaacaatca	attttgtcat	aggct			465

<210> 374  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 374	ttttacctcc	tttctgttgt	tttatacttt	atttgagaag	agaccctaca	taaactatgt	60
caggaggata	caggtctaca	cacgatttca	tcaatcaaaa	aatggagttg	ttaacataac		120
attgaagata	tgatactatg	agaaagacag	acatatgacc	aaggagtatt	tacaactctc		180

acttatgata tatttatatt gaagatg

207

<210> 375  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 375	aaacaaagag	ggatttat	tatttacaag	aattctggag	aaggatggcg	gctgggtattg	60
	gcttggtgaa	ataatgatag	ggtcaatgac	tctgtgattc	tcttggcctt	tttgtcatgg	120
	tagcaaagt	gctgctgtgg	ctccaggcat	cacaccctca	atcaaggtag	gaagaagagg	180
	cccagggagg	tgtagccat	gcctgtgtct	tttattggaa	aagctttccc	agaagcccag	240
	gtagacttcc	tcttcaattt	cattggccac	acctgatcac	atagccatcc	taagctgcaa	300
	aggagactgg	aacagtgaaa	atctggattt	acagcctcca	cagttggagt	ggctggagat	360
	acagagttgg	gacgaccct	gaaaagtga	ccaaggtcgt	ctgcacggct	gccctgga	418

<210> 376  
<211> 379  
<212> DNA  
<213> Homo sapiens

<400> 376	gggaacgtga	attttaatga	gggggcagac	cgaggaggtg	gtggctgccc	ggagatcagg	60
	gccaggctgt	gctagatggc	gcctggaagg	ggggtcacc	aagtctccct	gctgtcattt	120
	caggaggccg	acccaagtct	ccctgctgtc	atttcaggag	gccgaatttt	ttcccaatcc	180
	cagagaaggt	gtcagaggcc	tggttagcag	tctgtcgcag	ggtttccctg	gtggctcttg	240
	ccagctggtc	catggctttc	tgccccgcct	ctgtggcctg	gtccaccact	tgctgagctg	300
	ccgctccggc	cgctgacacg	gcttccctggg	cgggtccctc	cacctgttgc	ttcaggctct	360
	gcaagcactt	gcttgccat					379

<210> 377  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 377	tagagagttg	agtaaaaggt	ttattattag	tgcagtcaac	accatggaac	agcacataca	60
	acacaaccag	caacctgcag	agacactagt	gcaaagggta	gggaagcctt	tactgagct	120
	tcctggctcc	atctgagggt	aaggacagga	cagtatgagc	cttggttaag	gcaggtaggg	180
	gaaaggggag	tggaagaaat	gtagtaacca	gagtaagtat	agcagcgttt	tcaaattcct	240
	gagcacaatg	tcccagagct	ggaaccctac	tcccctcaag	ctttccacc	caatcccagt	300
	ggagccatga	tccaactacc	cagacctgca	gcaagctagc	ctggaataaa	attctgagag	360
	gaagccatta	catggtgggg	aggagccttt	ctatctccaa	ccacactccc		410

<210> 378  
<211> 442  
<212> DNA  
<213> Homo sapiens

<400> 378	tcaacctact	caccaaaaaa	tttgcacttt	gactcatatt	ggcctatttt	aacatttcaa	60
	aatcatttaa	agaaaaatat	gactttttct	gtcataattc	ccagtcttag	tctctatctt	120
	tgatcaaaaa	gaggataggg	caatacatta	aattgacaag	gcatataaca	gccactgaat	180
	ctttctgttc	atgagaagaa	atcccagata	caccataaat	gagatgcaaa	ccagcagtaa	240
	gaatgatggc	aagggtttctg	tatttccatc	agaaattgtg	gaaaagggcc	taaaaccagg	300
	aaagacaagg	ccattaaaaa	aatgtatttg	aggccgggtg	cggtggctga	cacctgtaat	360
	ccccactact	agggaggctg	aggcaggaga	atcacccgaa	ctgggaatgc	agagattcca	420
	gtaagctgag	atcgcgccac	tg				442



<210> 379  
<211> 288  
<212> DNA  
<213> Homo sapiens

<400> 379  
tttcatgctt tttatttttc ggttttattta atcttcttta acacagccat tgttggttca 60  
acaatccaat atttgaggtt acattattgc aaaaataagg acatagctga ataggttatg 120  
ccatcaatat gtttggttaat cctatccctt ttattaaaga caaagcacag tttgttaata 180  
ttgtcttgga ttaactctat ttgtaagggtt acttatagtg gttcatacta aaggcagggg 240  
atttgcttcc tgggccaatt gtcttttaaac tataatttaa gaaatcat 288

<210> 380  
<211> 597  
<212> DNA  
<213> Homo sapiens

<400> 380  
tttttttttt ctttttcttt tttcttagaa tgttagtgat gactgacagt tctggtgcac 60  
agttacaatg tacaagtga atgaatatga tttgcattgt taaggcatcc aatctgctgg 120  
tttatattta tgtgaaagac agaggaaata tacaagcaga ctttaagaaag aaagtatggt 180  
cattgatttc tatgaagttt ctccctagaa tttaatgcac aaaatgcgtc actccaaagg 240  
gagagattcc atgcatatta atagagtaaa acagcattag ggttggtttg taagcttcca 300  
aagcaaagga tacatttttt tttaaatcta ctgaactaaa tactacaaga ataatatgct 360  
actatttttt tttttgccat atattggaaa aaacttctta acttacaat aatacaaaaa 420  
tagacaatga cttttgggtg gaaattaaaa aaactgaagc atggtttata acaatacaaa 480  
aataactatg aatggaatgg tttaaaatca cattggaaca gctaatacaa gtgtaggtga 540  
cccaacaaat acgcactttt cacgtggcaa cttgccctta aatagaagtg gggggag 597

<210> 381  
<211> 419  
<212> DNA  
<213> Homo sapiens

<400> 381  
tttttcatgt taaaatgtga actttaattg taaaaatcat tttctgtaaa tatagttata 60  
tcaacctctc tgcacacaac ttggttcaga tatatacaga tatgatattc atagatgtta 120  
tttgtagcac agaacaaaat caattcaaga aacatttact tttagcttca ggattaaccc 180  
cagctttctt taggccttaa aattaccacc actggaaaca gagagagagc acggcatacc 240  
tgggcacacc agtattcagg gcaaaatcta tgcagtgtct tactaatttc atactatgag 300  
gtaaagaccc gaaacaaaaa tagattcagt ctctcgtatt gctataactc ttaggctggg 360  
gtattaatca aaataggatt ttacattta aggcgacagg gaggctatgc tgattctaa 419

<210> 382  
<211> 364  
<212> DNA  
<213> Homo sapiens

<400> 382  
tttttttttt agtttgaaat acatttttta tttttgaaaa atcaatatgt aatctacaaa 60  
atattttggtt acatgattaa ggctcaacct gtcttatatt tgcattgaca gaatacaaaa 120  
ctgtatttta agtaagacat tataatagtc attgttaagg aagtccttct aactgacttt 180  
ataagaaaag gggctgtatc acaagcatag ctctggaatg aagggaacta acatcctaga 240  
actgtcta atatacatca ggttgtaaaa ttccagcctt tatttatgtg ctggaaagta 300  
tctttttttac atatcttttt ttagtgata aactcttggt attcccacag aaaaaggaaa 360  
tggt 364

<210> 383

<211> 358  
<212> DNA  
<213> Homo sapiens

<400> 383  
gttaaaaaat aaaagccaaa ataacacttt taagatccca ggttttagac aaggcagctg 60  
tagtctctcc atcatcctca ctgtccattt gcttcttcct gggacagaca ctgtggccca 120  
gtgaagctga ggggaccctg ggattcaaag ctggtggaat ggaccctccc tccccccaca 180  
agctgtaata acctgctgga atcccacaca acctgagggc ttcacttgtc aacagctccc 240  
ttccctcaga ggctattttg aggcaggcat tcggtgtttt atgactgagc taccaggag 300  
aatggtttga ggccacactc aactgttcca aggagcagca ctggaccaa ggtgctt 358

<210> 384  
<211> 431  
<212> DNA  
<213> Homo sapiens

<400> 384  
tttttcagggt ttggcacata aattttattt aactttcaca ttgacacaat caggaaacca 60  
ttctgagaaa aggtagaggc cgccttgaag cgaacgctgg ctccctctc caccctgggc 120  
tcggcggcac catgcaggct caggctggca ctcatccag gaaactgtcc cagttctcag 180  
cggctcctggc tgtggacggg atctgaaatg gtcgctgcgg cttgccctgc accagggcct 240  
acctgtttgc caggaagccg cactgctgga ggctacctgg gcgctgggtt ttattgctgg 300  
tgaacttggt taccacctt ccagtcacat ggtccaggat ggtggtgtga tcagaaatgg 360  
ctctggcagt gccattttgc tgagatgaaa ggaatcgaaa tgtataaact aactgaatt 420  
ctgtgatgct g 431

<210> 385  
<211> 357  
<212> DNA  
<213> Homo sapiens

<400> 385  
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ctctcaagct ccggtgcccc caagccttgc ctggggagat gctggagtga gaccgggagc 120  
tcaggccaag tactggtcc ctgggctcgg gcctgccgag tggagtaaag accagctgta 180  
cacatcttcc ggtggggggc ctgggctctg catccgcccc tccgaagtca gcaggagcct 240  
ctgggaagta aggcagcagc acagaccccc agcgtcttgg aggggaagcg aaatcctcag 300  
tctgacaccc gctctgccta tggaaacagc gccggcacag aaaaggaaac ttcattc 357

<210> 386  
<211> 370  
<212> DNA  
<213> Homo sapiens

<400> 386  
ttgtgttttt ttttggtgta tttttaataa gatatttaac acgtgttcag gtagaagtag 60  
gtacaatgac agaaaataag gtagaggaat gttcttgaca ccacagatac gtaatgatgg 120  
acaataaatg acatgatgtg gagagttcac ccacacatgc agacttctta tgttcacata 180  
aacatttatc tgcattgcat acccagtaga gacaaactgc acttatactg tgaagtcaac 240  
gaggagataa agtaaaaatc aaatacttat ggagagagtc agtctctcca tttagtggga 300  
aagccttcag aacacgcaca cagcatctcc cctcccttct gaataccatc catagcctgc 360  
agcagtagat 370

<210> 387  
<211> 283  
<212> DNA  
<213> Homo sapiens

<400> 387  
ctgggacaat taagctttat ttttcatata tatatatayy yycatatata tatatacata 60

catatataaa gggaacaatt tkcaaattta cacaactgac aaaaccatat atacacacat 120  
 atgtatgcat acacacagac agacacacac acccgaagtc tctagccagg cgccgtttym 180  
 catcccyaaag taccattctc tcatttgggc ccytctaggg ktggggcccy cgtgccgaat 240  
 tcctkmagcc cgggggatcc mctagttyta gagcgggccc acc 283

<210> 388  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 388  
 gactattact agtaagacat ttattaatga tattattaca attgtttcta aaatccatta 60  
 ttatttcagc agcgaagaga taaataccag agtaacctca gtcagatggt aacagttagg 120  
 tctaaagaaa attatatgaa atactgactg taatactgct atagagtata cagtatgtta 180  
 aaacatgatg gagaggctgc acacattggt aacgttttat gtca 224

<210> 389  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 389  
 gctcagtga gatttattgt tatagaaggc aactaataca atagatttgt gggctcgaaa 60  
 ttttaaaaag ttctaaaaag gcagttaaag cttgacaata aacttgagta aggtttacac 120  
 aatatcaaag tatattagtt ctttgaaatg aaaagggtatt tttttnctnc ctttaacatt 180  
 gagatgtctg agatgtcagg attttgtagc attccttagaa acaacatcca ctgtgtggga 240  
 tacttttttc ctttctggag ttttaaacca gtctgactct ttggttgtgc ctatacaatg 300  
 aaaag 305

<210> 390  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 390  
 tttttttttt ggtcattaac acagtttatt attggcacac ttatcagtaa agcatacata 60  
 aaatacagct gttttttaac acacggagcc actgtgcctt tacatgtgtg gaggaacata 120  
 ttaatatgca aatggaaaaa ttaattctct tataaagttt cacataaata cactggagtt 180  
 gcccaaaaac gaaaagtccc ataaaagaac caggtgagag ctttacaata tatcatataa 240  
 gaaatatact ataaaaagaa ggatgggtcac tcaggtacaa ttagaaa 287

<210> 391  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 391  
 cacagttana aannatttta ttaatattctc acaatctaac ttgaaatatt tataaacact 60  
 gcataaatga atacaagggc actgtatgaa ttttagaaag gggactcttt tatacaaata 120  
 aatttaggtt taattctgcc agataaaaatt aatttttagat atgtccaaca cacaatcaaa 180  
 ngtattctga aaagttgtat ataggntcaa atcatagttt aanggccatt cacaaaataa 240  
 ctgtaaattc cccaatttta tcttttaaaa tatggaattt ttaatataatc attttcttan 300  
 gggtaaagggt acacctttta ttttnggggt ggtaaattngg ggntaatctt tccaaaatgc 360

cctttaaaaa attng

375

<210> 392  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 392  
tttttagaaaa tttattatga attccgagaa gtctgctcat catatacctc cccagcccc 60  
aaataaaaca aacaacatgt ttgtacataa agcctgggtt tacttgggnac aaaatttgag 120  
tctttgaaaa aaatagttaa tggnaaatct caataaaaaat tcattttgaa agtaaccngt 180  
actgttcagg aaataagggg ngtcagtta cttgaggang tcaaacagtt ttattacagg 240  
aactatgtgt atatatTTTTG gggnttaaaa cttgccnata ggctgtttgg aaagggntag 300  
gtccataatt tattccnaat aggggtatttt nttaatcnaa tgtttttggg gttatcnacc 360  
ataaccccnt gg 372

<210> 393  
<211> 267  
<212> DNA  
<213> Homo sapiens

<400> 393  
taagatttga ttttctttta tttgtggcac taaaagacag atagctgtga tgaagagcaa 60  
ttggctggta gctcgtgctt caccaagagt ttagcaacgt taatcagtga atgcagaaca 120  
gcttccattc tacctgaggg ctagatctga gatcgtgtg aaacattaaa gtgacctcac 180  
catacttgtt ttctcactca gatacacatt ttatttcatc aacacatctt gatttctatt 240  
acttttttca atataacaaa atgtttt 267

<210> 394  
<211> 511  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 394  
aagccagaac ttgtttattg aaaaagcact aaaacaaaaat attttggtaa gatcgagcaa 60  
gaagacacaa atagagaatg gaaaaatgaa aattttataa acgcagttga aatttgaaaa 120  
tgtgaggata ttatgaacaa ttcatttgaa aactgacaaa atacacaaat tactacgagt 180  
attttactca aactaattga agatagacat gtaatccac agctcctaaa tagtttcagt 240  
aattaaaaat ttcccccaaa gaaaagcctt ttatagtaag ttccactaac ctgttccata 300  
tggtaccaat tcttaattca acagttaaca gttcattcaa aataatgggc aacaatgtat 360  
ttggattttg tacacatata tttgtgtgtg tgtgtgtgtg tgtgtgtgtg tatagtcgtc 420  
atacctaggg gtgcntatat ataagtggaa tggacagcna tgatacntgg gataggaaag 480  
agaaattagg attatttttg gtaccataag g 511

<210> 395  
<211> 503  
<212> DNA  
<213> Homo sapiens

<400> 395  
aaagaattac cataagtttt atttttgctt agttttatta aaaaaataaa tatgtcataa 60  
agctttcttt ttccttaggg agaaaaaag gaacaagtct cataaaccca aataagcaat 120  
ggtaagggtg cttaacttga aaaagattag gagtcaactgg tttacaagtt ataattgaat 180

gaaagaactg taacagccac agttggccat ttcattgcaa tggagcaaac aacaggatta 240  
 actagggcaa aataaataag tgtgtggaag ccctgataag tgcttaataa acagactgat 300  
 tcaactgagac atcagtacag atacatcttg cttaaacaac acagaagttc ctgaaaagtt 360  
 ttgtgtaaat gatataacca caaacattac caggagagct tgggtaactg aaagaattcc 420  
 atggcgaatt cctttggtga acaactactt tcaacttttg taaatccagg tatttgcttt 480  
 ttataaggag tttacctagt tgc 503

<210> 396  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<400> 396  
 cttataaaat ggaaaacttt aattgtttta agaaaaggca caagtaaaca tttcaggtta 60  
 tcatacaatg ttacaataaa aaattccaat agcaaaatga aacacattat aactttgctt 120  
 cttggtagta tactgaatgt attattctat catctcctct ttggagtaaa aagaagggat 180  
 aggcagatca atggatgtga tgtaaaaact tggatcataa atagcatcca ctataccttt 240  
 aaccagaaat taaacttcag tagaattaaa attaatTTTT aaaacttagt tttgttaata 300  
 atagagcagc agtaactttc aagctaaaac tcattgtttt agtaagtaaa taactgattt 360  
 catgaaatgt tcgctgtcaa tgtctggtat gttaatatat attaatcaag ccgggtcctg 420  
 aaacagtttt accaaaat 438

<210> 397  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<400> 397  
 gattttaaata ggtttatttc ttcatttaca agaggaatat atttggcttc tctcttaaga 60  
 ctctgagatt cacaatcagc agctctaaaa aataaaggag cagtttggct tccggaagaa 120  
 gaggaggcaa cactcggacc tggttcttgt acaacaagaa aacatcgctg gggccccgct 180  
 gaggtctggag tgggggtgga ggctggtctt tggaggatgc cccccacc ccactctctt 240  
 gtcaggccct cgggggtacc cagaagcttg gtgggtgagt attccacctg cttacacacc 300  
 actgaaagcc acagccagcc agtaactaag gggcaagaag agcattgtcc aagctggccc 360  
 tcatgcc 367

<210> 398  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 398  
 attggaatat tttatttaca ttttatattt aaagagaatc aatacaaatt gggacatatt 60  
 tacagcattt caaatcagtg tacaagaatg caatggtttc atccattcag caaacaaaaa 120  
 tacatgtctg ttttattttt gcctaaattc tgctataatt tgaacaaaat tctaaaacaa 180  
 aagccacaca gagtacaaat aaagtgcatt tttaaatagc tctattttaac tttggnggat 240  
 gaaacttcaa actntatatt aaggggcc 268

<210> 399  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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<400> 399
aataccattt tgagagtaat tttaaagact aatgcgaaag ttcgggagca cattgtatat 60
ttgaaataag tgtagtgtgt gcaaagacca ttttctacct gtggataaaa atcaattccc 120
ccaaaggcct aaaagcatga acaatgttta ttttcgagta aataattaa ctacatattt 180
aacatggaaa aaattaaatg aatgtcaaaa ccaaaattaa gaactataag caaagcatgc 240
agtctctgtt aacaaaactt agttgtgaaa ctacattttt cattttgtaa atgccattat 300
ttcatttcat aaaatggtaa aaatcctcag tatcattctt tacacttgat gcggaaca 360
cttcctttcc ctattttcct cggnatttcc tgcaaaataa atctaccatc tcaagttccn 420
taatggttca tactttcttc tcaacatatt 450

```

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<210> 400
<211> 320
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 400
cctttttctt aaggaatcca ttcattgttg aagcccagat tccctaacat atgcactagt 60
ggttggctct gggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggt actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
cccaagctgg gctcaagagc cgtgggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaacca 320

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<210> 401
<211> 232
<212> DNA
<213> Homo sapiens

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<400> 401
gccagacaat cttttttattg ttcactgaaa aatgcaggtc tgcaaagagt caattgcatt 60
gtatattgaa tgcaaggctc gatattgcaa gtatatatga catggtataa catataaaat 120
attacatatt ttacacagtg acagtaccgc cctcttctaa acactaaaat ttaatagaat 180
gaagtaaaaa gcctattaaa taagaaacaa acactgcaat cataaacaaa at 232

```

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<210> 402
<211> 527
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 402
cctctgccac aaaagacctt taatggcctc ctattttattg ttcttttgtt catttggttag 60
agttgaatga actataataa cttgtctgac ataataagaa tgccacaggt ataacagata 120
aacctggcag gtggtccagg aatgagagtg tcacaaaata atcactcaac acaagggcc 180
cagacctgga gattcttccc agccatccct cactcctgcc ccaggacaca acccatgcag 240
gccccattc cataggaaga ggcaggctcc acagtgtctg tggctagacc ttaacactga 300
gcagagatgc ccgggaagat ggcacttctt atgctcgttc ccaagtgtc tgctcatctg 360
ccatgcaggt caggaccata ccccgagttt gtgaggcacc cacctctcat actcaccacc 420
tcatatgacc acctatcata cccanctctc ctatgaccct tgcaattgtc ccagtgaagt 480
gggaagagct ggactagccc attttgcaca cagggaacta aggacac 527

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<210> 403  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 403  
 tcccttttctc cctgttttccc tccctttcttt ccttccttcc ttccttccctt ccttcttaga 60  
 attcactgaa gtattttccta ggtagccttt tactttactac tttaatcaaa gcttatcttt 120  
 gtgcccgaatg tgtaaaaagt gaaaatgtct cttcgaaatt ctatattaca atatagacag 180  
 agaagttggg ccttgagggc ttgagtttca cttaaatact atacacatgt ggtatcacac 240  
 aaggtggagg gggaggggaac aaacagaaac ataacaatta tttttattct gtctttacaa 300  
 aagaaagcct cttctctatg aaaaagtctt tttggcatct gctcccggaa acctgccccg 360  
 agaacacgtt cccatttgct ttgcaagcat ctctttttta aagcacanca ctgtccccgg 420  
 gagtcacgta ggttgatta anctgtctta gttgaccaac gaagaancac tggatgagtt 480  
 ttccagggat gantgggtgt ctgggggtgga acatatagtc ctgtctacaa caaatgtaac 540  
 tcctgatatg ggacnatgaa cncagtgtgt gaccagaggag tgnttgatct gtnaacantc 600  
 gcatgnaatt 610

<210> 404  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 404  
 atatcaagtg tnttttattt tcacaaatat tttaaaatgc agctaccttt gagccacaaa 60  
 aggaaaaagc agtatttcctt ttatgtattt gatacaata ttaaacataa ctcagtttta 120  
 gttcattagc tcagctcagt gaaaatagct caggaaaaaa aagtcatagg taatgctatt 180  
 ggtatatgca ggaaa 195

<210> 405  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 405  
 tttttttttt ttttttcaat caagntttta atgaaaagat cataaaataa cagtttctta 60  
 tccgctgtac atttaagact gcacacttct gaatggagag atcagtcggt ggtgaattgc 120  
 ttttctatga cactgggcag ctntntagct caagctctga cctganttta tacaaactct 180  
 caagggacat gaactcaatn tgacaagtga cagcggcggg ggccagtaca ggagtgcgat 240  
 cccggtntcc ctccccctt ntgggaaggg cataaaacaa aacatgatcc ctnttccagt 300  
 tccaattaaa caaaacagct ntaaccctnt cccntcccn tccnttcga gggnttttgc 360  
 gaggaattga gccagtgcc aacctggggg tcccccccg 399

<210> 406  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

<400> 406  
tttttttttt tttttttggc tagaattgca tcgtaacagt gtggtcacac tggntaagaa 60  
atgcagattg gcaatcatgt acatctctga ttaaaacaac actcacataa ccaacacaat 120  
ttgctaggcc aaagtcttca cgggcaatcc ctgggggtggg agtctgggat ggggtggata 180  
atgaaggata cctgggggttg cagaagtggg gtgggaatcc ctggggcatc agtccacagg 240  
aggttggggc cagcgatggc ttcaggggtg atatttccaa tatatatcag ccctgggcac 300  
ttttcgccct gctgctcaca gcatggtcct 330

<210> 407  
<211> 296  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 407  
cttcactttt atttccattt taacaactag tacattatcc ttggccttag gaaaagcctc 60  
catcagttct atgtgttccc aaaatataag ctcatgtgat aacgaggcca ggcaattcag 120  
ttttttaatt cataaagtgc attcttcaga cagcttcaaa taatgtctaa ttaagtagcc 180  
actagaagat cagaaattat tagaatggac tacagctatg aaaactaata ccaatctctt 240  
aaattcaata aacaaaaatt aaataccntt agggatttag gttacatagg ttttta 296

<210> 408  
<211> 267  
<212> DNA  
<213> Homo sapiens

<400> 408  
ctattttctt tttttttcct ctttttttgt ttttgttttt ttgcaaaact aattctttca 60  
ctttcctgtc ataaaaatcac ctctgaaaac acaacttctt tacaaaaaag tcacgaatga 120  
cacgaactct caggaaaaca catttctatg gtctctggaa acacctgtaa ctggcaccca 180  
gggtggtcact cacctggggg aggggggtcag ggggaaatca cctccaagga cagaggagaa 240  
ataccagccc ttatttgggc gaaaagc 267

<210> 409  
<211> 301  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 409  
ttttttnttt tgtggatttt ctttttaatg caaaatggtg caatacaaaa caatgtggag 60  
aaagcctggt cctcaggcac tgaaggagg agtgaggag agaggacaga gctggacgtc 120  
tcctcctatt tctccctccc caagtcactc tgaggggag aacactgctg cctgctccct 180  
gggcctgccg catacaagggt tagagccctg ggtctggggc atccttagcc tgaaatttgt 240  
tgacatgggg caggagagca ggagggaaca ttgagggttt tgactcttcg ggctctaaaa 300  
g 301

<210> 410  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c



<400> 410  
aaggngttgn gattgcttta aagaaagctt tatttactac atacatccta agaattgtact 60  
gtaaatggag caagatctaa ataaaagctt ttcaaataa aagcagctaa agttaactaa 120  
accactagca atgtttgaaa acagaactct aaaacttttt ttttacattt atatatgttg 180  
ttcttaacac taaaaaaaaa aaaagttcac atttcaagtt ataaacttac cctcaggtag 240  
gtgtaccatg gaaatggggt ttggaaacca taggggncca ggtagggccc 289

<210> 411  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 411  
ggtnnttaaa taaattttat tgtctatatt aaggatataca acacaatgtt aaatgaaaca 60  
tatatatata tatagtaaaa ctatagtggg acaatgaaca taccatcat ctcacatagt 120  
tactgattat tccccattg gcaagagcag gtataatcta ctcatttagc aaaaagtcct 180  
gaacacaata tacaatatgt attaactata gtcctcatgt tgtacatttg atctttgatc 240  
ttttcacttg ttcattcctgc atatttacta ctttgcaccc tttgacctac atctcatttc 300  
ctccacctta tcctgacctt agtaattac 329

<210> 412  
<211> 308  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 412  
ctgtcacttc tactgtcaag atgggtgaga gttgacagtt tgtctagaag aaggctgata 60  
tatgtcaaca tgggtcagcaa aggatttaaa tatgggtcct tgaataataa atagctaata 120  
attgagttta ttaaaatgaa tttttgtata atttaggcag ttgaaggctc agaacagcct 180  
gcgttccttt ctatggcagc ttgctatgaa attcatgttt caaacaaaac aatacttttt 240  
catgcatagg ataaattata aatgtactga ccnggcccat tctatatggg taattctnac 300  
gganttta 308

<210> 413  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 413  
gtagagatgg ggttttgcca tggtgcctag gctgatctca aatccctggg ctcaagcaat 60  
ccaccacact cagccttcca aagtgtctggg attacagatg tgagccacca cctacagcct 120  
ggccaagaac cctttttctct cccacattcc cctgggagca gaggataggc ctgatgattg 180  
ttttaaacag tagaaagggg tcagctaaga actacagtcc actctcagcc ctgtcatgta 240  
ctataggaca a 251

<210> 414  
<211> 432  
<212> DNA  
<213> Homo sapiens

<400> 414  
tgcagttaag ggacgtgttt tatttcatag ctttctgcaa gcaaaattgc tctgatacaa 60  
aatgagttca atgatacagg tgctactgtc cactcaagca aaagaaaacc tcacatgtat 120

atgaacgcac tttataactta tattctttaca gtataaatagg tctaatatcc aggatgcctc 180  
 tggctcattg aaagcaatgg cagagaaatg ctgcaaggta cttgaatatc atagtactgg 240  
 caagtgcctg aagtaacttc ctgtgagttc tctgtcagat actgcaaaga ctgcgtgtgg 300  
 gtgtgtttgt ctttttgtct tccatctttt ggtttacatt taaatcatct caaaaaatat 360  
 cccctggcat gtatcattca gcttctcaga gtttccataa aaacaggaaa atgtcatgag 420  
 gtatccctaa cg 432

<210> 415  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 415  
 caacgccttt attaagaaat atcaaaagtt gattacaggt ccatatgcag ttttaciaaag 60  
 ttcaagtga gaagactgta gggatgccat caatgtgcgt gtctgaagac tatggaagct 120  
 tgtcaaagg gtaaccctac aactcctgtc actttaacan tgggccacag caatgctttt 180  
 cccccatttc tactaggcta ggccattgca caatacctta agctacttaa aagagtttta 240  
 atacgttata aatacgtaca tatttgtcct tctagtttgt taccatcctt cc 292

<210> 416  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 416  
 cagattttct tgctttaatt cttctctata ttaccacagt aaaatatatta acaaagtcca 60  
 agagattact gatatgcaat aatgacctat gactttacat taatggagtg atgtatcaat 120  
 aataaactga tcagttaagt aactggaaaa tgtttgcatg taaagaatga ttcactatcc 180  
 tttttatctt gtattgaaat cgtcaaaaaca tttaaaaaca caaagttgaa gtaatttta 240  
 ataataataa ctgtgaaa 258

<210> 417  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 417  
 aacaaaaaac taaataaatt tattccataa agatttttaa cttctacaat tcattaaaaa 60  
 gacataaatt caaaagtcaa aatggtaaaa atattcacia catatgacaa tcaaatgggt 120  
 aatttccttt tataaagagt ttataggaat aaatgagaaa gaagtaaacc caaataaaag 180  
 tagacaaagg tcatgagcag ttcatttaaa aagaaatata aatatctata aacatacgaa 240  
 aagataatca ccttaatatc attaataatt aatattttct cccacatcag caaaaatctg 300  
 catgtttgtt aaagctgagt gttttaaggg tgtgatgaaa tggacaccat ttacacagga 360  
 ctgcctttca ggaaggttct ctgccactgg aaaa 394

<210> 418  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 418  
 ttaaaaaatc tcctttttgt aagtctttat tttttagttg ctctcccat agtaatgcac 60  
 tgaaaggcat aacagtttat attgtacaaa gcatttgaag aaagtacctc aacttgctga 120

ttattttcaaa	atgagattac	aaacaaaaag	aaaacaaatc	tggttcctca	ataaagggca	180
aaataactga	atacagtctg	ttattttactt	ctctctttta	acataagggtt	gggaacactt	240
cattttacaa	ataggattaa	catgaacata	acatcgcaca	agcttgcaga	caaccagcat	300
aaaatatgga	gtacagtttt	taatcagaag	aatcatgctt	ccatgaaaga	aattataatc	360
gtttatacaa	ttgaatcgat	ttcagtatta	caaaaactaa	gttgcaccta	ttcgtattta	420
gttcattaag	aaggaaaacn	aaac				444

<210> 419  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 419	aagtattggt	aacaatcctt	tggaagtcac	tactgggtctt	tgtgtgctgc	tttttaataa	60
	ttgagttatt	ttgagcttgc	caagtaggat	ctattgcctg	gactaaaatt	tatttcctaa	120
	tcttctgatg	accaagaaag	gaaaaattaa	gtttgcagat	gtgagatgaa	atatagccag	180
	tgaatatgca	tactgattct	gaatgaaagg	aattaacttt	tcagtcaaga	aacagtctgc	240
	atgcagtaaa	ttgaattttt	cctgcaactg	gaatgatttg	tttaattctt	ctttgaacac	300
	tgccctttct	ccagtaagaa	cactaatgat	ttgctaatat	tttttaaaga	aatcgttttt	360
	ttaattagtt	aagctcagac	t				381

<210> 420  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 420	ttttgttggt	tccaaagtca	atattattgaa	tattaagtca	taaagccagt	gatataattt	60
	taatgaaaaa	tatcctgtat	cactcaagac	ttaaaagaac	aaaaataccc	cttagaaaca	120
	ctgctttgaa	aaataatcac	attaacttta	cacacaacag	agtcctttct	taagctttat	180
	ttaagaaatc	gagtactata	tagttcaata	tatataagac	acatccagta	ttgtgttcct	240
	gatagcaagt	gcatagattt	tgttaagata	tcattttcac	tcaatagaaa	cg	292

<210> 421  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 421	tttaacagga	agaaatatgc	cttttattag	gagttgcata	tgtacagaga	aagctgtttc	60
	tcacagctca	ggggaggctg	tgagaaagag	ccactgtcat	ccaaggtcac	tgcgcgtaca	120
	ctggtaacac	cacttagaca	ccgccgcacg	tgattaagaa	acagaaccat	gacacagaaa	180
	tgcagaagag	acacgggtac	gtgtgtggac	acatcatttc	taaaaacaag	tcaacacaaa	240
	aatacaatgt	gccaataaaa	aaaaaataga	catatccata	catgtctttt	tttctgtttt	300
	ttaaagtaaat	acatgggtatg	ctgagctttc	acctccagct	ttttccacat	cgggattcac	360
	aggcacttta	gcaccccagc	catgggtttac	aatacaggat	gttcagaaca	atgaaggaag	420
	atggggag						427

<210> 422  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<400> 422	tttccacaaa	aatgtaatat	acatttaata	gcacattata	aagttcctga	ccaaagacgt	60
	tgatttccta	attataatag	cacagaaatc	ctttagaatt	tagtaaactg	aattaagact	120
	attcagaagt	aatgaaaaac	caatatgata	aaaacaaaaa	tcctccagta	aagaaggaac	180
	ctgtccattt	gagagaaata	caattgagaa	cttgcaaatg	agacaaggga	agatggcaat	240

ttggaactgc	aatagaaata	actatagcag	aaacaaccat	ttaagaagtt	ttagcagcaa	300
taagtattta	ttattctgaa	tgaaatgtac	agttgacttt	tatataaaaa	tcatcaaaag	360
tgctatattg	gattatttta	ctattaattt	aacccccaac	agcatctatt	agctataact	420
ttaatgggtt	tttctttact	tctgatacat	c			451

<210> 423  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 423						
tttttttttt	ttgaaaggaa	gcgagtaggt	tttaattcaa	gatacaggcc	cctcgcgttg	60
atctcgtaga	aggaaactca	gtggactgac	aagctcaagt	catgtatgag	gcacgtcctg	120
ggacccccac	ccctcctgcc	ataggaagga	cagctttggg	cagagggaag	gaggtttgag	180
atcagggttg	ggcccataca	gattgtgtga	ggtggtctca	agtacaaata	cttatctgag	240
gctcctgaac	aggccagaaa	ttggtgagtc	tcaagtaggt	gtctggggaa	agagagggaa	300
ggggcctgcc	tccgctccag	gggagctggt	cgccgtttgg	caggcctaac	agacctctaa	360
ggcacagact	ggtagcagga	gagagctatg	tcctgtactc	cagatgctgg	gtaaggagca	420
gctggatgtg	ctcagatggg	gctcttctga	gaaggtggag	gtaggagaga	gggcagaaga	480
gagtaagcc						489

<210> 424  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<400> 424						
ttttttttat	agaatctagc	aattaccaag	acatttatta	gttgtcaaaa	agctttacaa	60
tcagtttcat	gatcagaaaa	tagagcaaaa	tttcaatatt	gttttcttta	taaaattgat	120
gaatttctga	aaagataaag	gatcatttga	tttttaaaaa	tgtcagcttc	atcacatgat	180
gttccagaga	tctgacccca	aaagcttctc	aagttttact	atccatagtg	tccttatttg	240
taactgagac	ccatccgtta	ttttccatct	gaagcttctt	cagcagttta	taacaaagtg	300
aaagaagttg	gactaagaga	gccatcatgg	atcttgtctt	cgtaatacac	ttgtcaacct	360
ttagaaatac	tttattctgc	aaagaagtct	tagttactgt	ctggagctgg	tggcatagag	420
gaattagctt	gtttatttc					439

<210> 425  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 425						
ggatnagant	ttanaggcaa	gacatttatt	cactcatgat	atatcagtgc	aaagtgtgcc	60
tacagtatac	aaggtaaact	cacaactcat	caaaactaaa	actttttaca	atgtgcaata	120
catgtaggga	tattaattca	atatataaat	gtcacatgtc	tcccaaagt	cacccaggct	180
ttctgttatt	tcttaaaata	tacaagtcaa	tattaccaga	gaaaagataa	gaaaatccca	240
ttattttatc	ctaaacttat	gtatacttct	ctaaagattc	ttagggcttg	taagcaatga	300
ggtttaaggc	natttttttag	gatgttagca	tcccggggct	gacttngccg	ggctgtggga	360
accccagunc	cggagtgg					378

<210> 426  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 426  
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 catgaaaata atgagtcaca gaatatcaag actattttaca atactttttt gttttttaca 120  
 aaacattttt acaagattac ttctctctaa ataatgtgac agacatacac aaaaatccaa 180  
 ctttttttat tacatacata aataaatatt gacttttaaat gaccactgta agggacatga 240  
 attctacaga ccacttggat gagaaggtag cagttttgtt atctgcacac tacaatataa 300  
 ttaagtaaag gggaaaagta actttatata gacctctgtt aatcactccg taaatcatat 360  
 aactcactag gaatattcag taggaggtaa ggacagtcac gaggattcct ctccgtaccn 420  
 gacaccngt ctggacctgg caaattcaca ggtaagggtc cacctctttn tatatc 476

<210> 427  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 427  
 aacaagttta ttttgcagtt aggaaggtaa cagggtaggg catggttaca tgttccaggt 60  
 ncaacttcct ttgtcgtggn tgattggttt gcncctttatg ggggggggggt ggggtagggg 120  
 aaagcgaana gnaagtaaca tggagtgggt gcagcctccc tttagaacct ggttacgaga 180  
 gcttggggca gttcacctgg gcctgtgacc ctcatcttct tgacatcaat gttattagaa 240  
 gtcaggatat tttttagaga gtccactntt tctggaggga gattaggggt tcttgccaag 300  
 atccaagcaa aatccacgtg aaaaagttgg atgatgcagg tacaggaata cacgagggca 360  
 tagttctcat agtcggtggc caggatccag tacggtncn atgg 404

<210> 428  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 428  
 aanttacntt ttagccaact tttattttta tgcctagaaa aatacatggg acgttttagga 60  
 ctaatgtgct gggcaatttg ctacttagtg atagtaacac aatcctgaaa aggcaagcac 120  
 aattattctg tactttttta aagttttatt cagcaataag accataattt ttcatattta 180  
 aggagtatga aaaatttggt gagtttttaa agctgaatac atgtagcggt ggatcaaggc 240  
 acatacaaga ctggccaaag ggcggtacaa tgcacttttg ttttttggtg aaaaaaaaaa 300  
 atcatgggca acagaaaagt gatatggttt ttcaacaagt aacagctcac aattcagtag 360  
 gaagctagaa ggaaatgtta cattacgagt tcnttatata atatccggga aatttgtgac 420  
 agtaatgt 428

<210> 429  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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<400> 429
tttttttttt ttgaagtaaa tatctgttta atttacaac atcagcagtg taaccgatat 60
taanctggag aaagacaaag cacnctgaat tatacatgta catctaattt nctttgtaaa 120
aaaagaagtt ttcaggaaga aacatctgca tctttacagg gcaccctggg attttaatga 180
gggaagagca cagttcacta taaaccatta tcaattctac attgtaattt agcagcaaac 240
atnttaacan gggngcatta agataataaa ggggttttat ngtttgaggg aaagaaaagt 300
cncagttctt gatatgacag tctttttatc cccacctcac cccagaaaaa gggcaaaaaa 360
ggtcaaggac atattaattt gcaaaagggtc tacttt 396

```

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<210> 430
<211> 447
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 430
aactttactc ataaaatttt atttgaacaa aacaattttt ganaatataa aaatttcata 60
agaactgctt tcctgttaga tacaaaattt attttaaaaa taaataatta tattgacctt 120
taccatcact tgtctaaatt ttactcatgt ttattgtgaa gacacagagg tgaattagaa 180
gagtatatca ttatacattg tcaaataaag cgaaggtttc cttatccaaa tagagagaat 240
atatatgtga ttacttaata taaagcaaaa gctattttcta ccaaagaaca gacatgcagt 300
tattgatctg gaattggcat cgattacaaa ctactctngc aattcttctt ctccccaatt 360
aagggtgtctc tcttgaactg gattgaaagc tgtttgataa gtatactttt ttcaagatgg 420
tgtgcncagt tggggggcct tttatta 447

```

```

<210> 431
<211> 268
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 431
tttttttttt ttttttggcc caaagtaaac atgtttattc tcagttctgc cttagggggtc 60
tctagttttg caagcatgag taaatggant caacaataat cctctcctta aatgtctggc 120
attaaaattt gtcacttaag aagtttctctg ttttgcctaa agagagtntg atttgagggt 180
gacctgaaac aaggcttgag gcttntggac acatagggtt aatcgcctta tttcctgcca 240
aatcgagag cagtgaagg ccaaagga 268

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<210> 432
<211> 261
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 432
agtannatac cacagagaat agttgggatg aaaggcatcc agccctgct tcctttaaga 60
tggcctctag gcaggtgggt gttctgtaag cctggcaaaa attctggagc caatctctgg 120
caaggctgag tgccaggcgg ggcctaggga cccagggtcg gtgcttaatg cctcccgccc 180
attggaatt actgacctcc aaatatatat atatatatgt tttttaattt aaaggggaag 240
tacactgcac accttctctc a 261

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<210> 433  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 433  
 naatagaaat gattttttat ttactttgat gattagggaa agataccaac atagctttca 60  
 tcaaagctaa caaataactt tactggcagt taactaattt tattagacta aagacatgtc 120  
 tgtttaaact gaaacaactg gccctttgct ttggctggga ccttggaat cacggccaag 180  
 gtgctgatca gaaaagagtc accattacat caacctcctc cccagcacac agcacagaga 240  
 tgccacgaag gcccacatagg gtccctagga agagcagctg ggggctccac ctaccgaggt 300  
 cccagtgggc ttatttttga aaaggatttg ctttccacag ggtaggggtg cgcccagaggt 360  
 acatttcttg aggacttgcc cttgg 385

<210> 434  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 434  
 atcataaaac atcttttttaa tgtgaacact acttcataca atgaaaaact atttacaatg 60  
 tattgtttcc agattggctg cttttacatc atctctaccc atgtgctgac tcggcatgta 120  
 tcttcagcca gggagcttca gtccaattgc acattctcct cgatcggctc tccaaggacc 180  
 ccggggattc aggaacccg tccacttaca ttctctttag taattatggc tcagcaagca 240  
 tgccaccaa atcatctaga acccagagac tctggcaacc ccatataagt aaaaatgtgt 300  
 agatcaggtt tttttctcca ataaataata atttgacaat ccaatccatt tccatcttaa 360  
 gaaattgttt tcacttagga aaat 384

<210> 435  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 435  
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 gatgggggct gcaaggctcc caccctcctc ccggcctccc gcggtcctg ccctcctcca 120  
 ggccccccac ggcccccgcc ccgcnagcta cacgatcccg aactnngcac nctntanggc 180  
 agctgatcgc ggcagctntg ctcgaaccac ttgccgttgg cgcgcctgac aggaccgcgc 240  
 agttctcggc cttgccgcca tcgggttgcg cgggtgatctc agtctcccag ttcttgtagg 300  
 cgatgcgggc gccggtcatg tccaccacag tgccctcggn cgccatgtcg ttgaggcca 360  
 gccagatctc ggccctcgttg cccacgctct ggcgcaggta ctcatacagg gcgtcgttct 420  
 ccgagccagt ctgaggggtg ctcagggtgc ccgcgcgag atgcagttct cgctgggctc 480  
 gtggaangtc ttcgtctggg tgaaggcaga aagcatttta tgtgnacttt ggggtccntt 540  
 naggggaanac gtttgaaggc ctgctg 566

<210> 436  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 436  
 ttttaaaaaa aaactacatc tctttattgc agaatttata cttgtttgaa aaatacaaaa 60  
 tgtagcgttg ataagattga agcatgttga aaggtaagta cagggaaggt tcctttcaga 120

atgactgcaa cagtgcagca aggattccca ttccccgcct aaaggacaat accttttttaa 180  
tagaaataaa tgagttagtt agttagattt ttattacaga ttgaattaaa cagttagtta 240  
caaagacatt ctctgataca ttcattcata gaggtcttaa cgtataaata catagtaaata 300  
atcctataaaa atcggtaggc aatctcatcg tgcattatct tttgtgctc agacttggac 360  
ttcacattca gtctctacat acagcttgat tagaatcata aaaacaatat gaagacgatt 420  
gcataaaggg gatagtttga ccaaag 446

<210> 437  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 437  
gcaggtcagc aacaagttta ttttgcagct agcaaggtaa cagggtaggg catggttaca 60  
tgttcaggtc aacttccttt gtcgtggttg attgggttct ctttat 106

<210> 438  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 438  
cataatccaa taatatattt aataggtaag atctcattca tcaatataca aaaaaaaaaa 60  
aacaaccag aaaacaaaaa actaactttg attaagacat gtgcccttag taaggnnctt 120  
tacaattaga aaggtttatc ggtagcactt tgaggtagca tattttgtaa agtcacaggg 180  
ctgctctgca gtttctcctg gatacaaagg tagaggccat cagcctttgc ccctggaaga 240  
ggaaagtga attatctgta ctcatcgcca gtgtcagcct gaacacactt tctaccaccc 300  
acccttggcc atccctcctc tacactttat gcgtcggggg tttagaacaa cgtaaaggca 360  
ttttgctgct tctttcctct tggtagcgga gcatcccagg ctgtggagcc agttgcctct 420  
tgccgcatgt gattcaccag caggagacgc atgcaccctg tg 462

<210> 439  
<211> 319  
<212> DNA  
<213> Homo sapiens

<400> 439  
tttttttttt tttttttcat tttcattatg tagtttttat ttttagacgaa cattattata 60  
aaaaaaaaagt tcacctggaa taaaatccat ttaaaaaaaa catagcatca gtatcagtac 120  
acagttaatg aattggctta aacaagatta accacatgac aggtccactt atctgcagga 180  
gcttttcaca ttaagccatt ggagcaaaaa taaaatatgt ttaaacaatgt acagtaggat 240  
agttatatgg aaaaactaga gagtttccat taggggcatg attttcatca aaagtttatg 300  
gtatttttga tgaaaggaa 319

<210> 440  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 440  
ttttttgtga taacagatca attttaattc tagcacctga agctatacaa gggtatgctc 60  
tataaacttc atgggactgt tgtacacact tgataaagtg acaactgtgc aataccactt 120  
agcatctcaa aatcaggaac atactattga attgcttaaa cacaatccac agaattaaaa 180  
acaaaatcag atgcatcca cag 203

<210> 441



<211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 441  
 ccccgctttaa tattttattta tttaannttc ataaacagng cactgcacct ccagtgttca 60  
 tccatggcac tttcatgacc gcttcctggt ctgtggcntc tnttagtgcc aagttgnatc 120  
 acatttcttg ctgaagttca gacaattgaa aacaaacaga ctcacatcct agggaaatca 180  
 acagaccaac aatggcaaaa cacaatacaa tgaaatggaa aataatgttt gttacaggag 240  
 tgcagcaatt taagaagagt gtctcaggag tgtggctcac tgggcagctg nagctaattg 300  
 taagtgtctt 309

<210> 442  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<400> 442  
 ttatacttat gattagtttt attataaagg atacaaatca gctccacaag ccaaggaaga 60  
 cacagggaaa ggtctggaag ggtcttgagc acagtgtctc catgccccct cttcgtggaa 120  
 ttagggcaca ctgccctgcc ggcatagcca cagcttcacc acccaggaag ctatgctgag 180  
 ctttagtgtc cagagttttt attagggttt catgatgtac tgattaaagc actggccaga 240  
 tgattaaact cagcctccag tccccgcccc cataggtcag g 281

<210> 443  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 443  
 aagcttacac tgagaattta ttggagggct ttgagacagc tcatgtaatg gaaagctctt 60  
 aagaactagg tttagaaggt gcagagacca gggcaacttc agggatccag gtagcaggaa 120  
 ggaatcggta gcctcttttg tatggccact atggtggtag aactgtcta cgttgtttgc 180  
 tgagtcttct ggctttcttc cactcttctt gctcttggac atcagactcc aggttcttca 240  
 gccttttgaa tctaggactt gcaccagtgg gttggttgcc aggg 284

<210> 444  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 444  
 aatggctatt aaggctttat tgtaagggat tacagtaaaa gatattctat tgtgcaccat 60  
 gcaagatgca gaaaataatg gtttaciaat aatgttaagc aaccaaggca ataattggtt 120  
 tcctttcatt ctggttttcc caaattaaat tttttttttt cagattaaaa tcaggtttgg 180  
 agttaacaga aaattgcatt cctaacttaa aaacttcaac ttctctagat tcctttagaa 240  
 aaggaataaa tatagttaa aaaaatgttg ttt 273

<210> 445  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 445  
 aacattttatt taaaaaactt tatttttgctt taaaaaaaca attattcaat tcatgaagat 60  
 taaccaaactt acaaacccca tcaaagttaa ttacaataat ctttcataaa atagcattaa 120  
 aaaaagttaa tattttaatg taaaaatcac aatgtaaaaa taaaaacttt agtttttagtg 180  
 actaaaataa aagcagataa ataattcttct tcacagggaa aaaatacttg agggaaaaaa 240

caatggtata	acatgtgtaa	agcaggaaat	ttaaatatca	gcttagttcc	tcattgccaa	300
catggcattt	atatcccaga	tgagatttcg	taattgatcc	ataatttggt	tcagctgttg	360
attcttctgt	ttgagttttt	tatttacttc	agcaatttct	cgcctctctt	cactagcaaa	420
acgaggtggg	ccagccgata	atcat				445

<210> 446  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 446						60
tggggggtttt	taaggtgccg	catgttcttt	ttagtttcca	tacatcgtct	gtcccagagt	
gaggagaagt	tgatctcctt	cccacatcca	ccggaggctg	cgtgagggaa	gcctggctcc	120
ccacaacttg	ctccttctcc	agccctgccc	ctctcaatta	aaacaatgct	ttcttttttc	180
ttttcttttt	tttgagacgg	agtcttgctc	tgtcacccgg	gctggagtgc	agtggcgcg	240
tcttggtca	ctgcaagctc	cgcctcctgg	gttcacacca	ttctccagcc	tcagcctccc	300
aagctgctgg	gactacaggc	gccaccacc	acgccaagct	aattttttgt	atttttttag	360
tagagacagg	gtttcactgt	gttagccagg	atggtctcaa	tctcccaacc	ttgtgatcca	420
cccac						425

<210> 447  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 447						60
caggattcca	gattttatatt	tttagaagat	tgaaaaaaca	caccaggac	aacatttctt	
tgatcaataa	actttcagga	aatggaggaa	gctgttttgg	gacacattca	aagctagtta	120
acttgaactt	ggaaataggg	ttttgacaat	ccaactatgg	gaaacaaatc	tctgaacaaa	180
ttttaaatga	aacctcacc	ccccaaactg	ttcaagtggc	agacaaaata	aattaccata	240
aattatatgc	caacacacct	tttaaaaaac	aacaacagca	acaacaaaaa	cccaggagtc	300
tgaggatttc	cttagctcct	ccaggaagtg	tgtaacactg	cttctggcct	gcaggctggg	360
gcggatcagg	gacctgtcac	acgtcaggat	agttgcagta			400

<210> 448  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 448						60
tttttcacaa	ataaaccaac	tttaatagat	attattttgt	atttatatag	tgctttcttc	
aagaacctta	aatgctttac	agacattatc	tctaattaat	ccccacaaca	acctgtgtg	120
gtaggattaa	ctcccatttt	acaagacagg	gagactgaag	cacagagagg	ttaagtgtg	180
tgcccaagg	cacacagtta	aattcactga	agagccagga	catgagcgct	ttacctccca	240
gtcccagcc	aaatacctca	tgatagaatc	tttaataaaa	agtgttttta	aagaaagtat	300
caagagtagt	tatgttatga	aaatgaggtc	tttctactgc	catcaaggaa	agaaaaaacc	360
ctatactgat	ggtttagagg	cccaagacct	acataatata	acatttcctt	ctttccctgt	420
tcccaagcct	cctgggtcct	gtcttaaata	atcttttaaa	ggtaaaattt		470

<210> 449  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 449						60
gtttgtaatc	aatacatatt	tattgagtgc	ctactgtgtg	ccagggtgcac	cacactagat	
gcaacggata	ctaacagtaa	ataagatacg	gtccctgccc	tcagagctta	catttcaaca	120
gtttaaagtg	catctcaggt	atttcagata	acagaagtaa	ttctaccact	ctcaaatttt	180

tttttttaaat	gcaagacaca	acacaatcat	aggccagagt	tataaaatac	aatgttagaa	240
agaaacgttt	ggatcattc	gtccagatcc	cattttacag	aaaagaaact	acaggagtgg	300
ccatttgcac	ctatgttctg	atttcaagtt	tggtgtttta	cccattgcc	ggcctctcat	360
aaaacaatat	tcagatttgc	catgtatata	tcaatatcca	aacgctggta	gtatacctgt	420
gcagttgt						428

<210> 450  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 450	tttttttatc	accagtggtg	aaaagcagat	tttatagtat	aaccgttttt	aaatgagggg	60
	cctaagagag	ggcagtggct	ggttagtcct	atgttagata	ttaacaaata	cgtgtaggct	120
	ggatgtggta	ggtgacgcct	ataatcctcg	caccttcaga	ggccaagggtg	ggaggatcac	180
	ttgactcagg	agttccataa	cagcctgggc	aacatagagt	ccgtctcctc	acaaacttcc	240
	attcttggct	caggtattag	agtcagggtgc	cacaggtata	taatgaaccg	gcagatctgg	300
	agaggactgc	ggtgactgcc	ccctcctcct	cttgcacagc	acataggaaa	gggctgcggg	360
	gaggatgaag	atgatggcca	ggaggcacag	gaccggcact	gtggctgatg	tcctggctgt	420
	gggac						425

<210> 451  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 451	acggattata	aaagttatat	ttattcacga	tgctacattt	attgcattcc	cttagaaaaa	60
	tggagaactg	tttatgtacc	caatctgcac	atataaaatt	ttatacaaata	tatgtgtagc	120
	acataaaggc	ctctggtaca	gctaaaatcc	tgacactata	atttgggtat	tcctgcttta	180
	gggtctccag	tttatcaggt	ctgtccatag	aaaacagaaa	ctggaattat	agtcagtctt	240
	gctaacactt	agaaactact	ttaaaatata	ataaaatttt	catttaccct	aaaagtccaa	300
	at						302

<210> 452  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 452	cacattaaat	tattttattga	acaaattgaa	gataatgaca	tatgttttta	ttacaaagtc	60
	ttccatcatc	ttatatcatt	gacacatatt	atgagacctg	catttgaaga	gtgaatagaa	120
	ataagaaaat	gttttcccaa	ccccacaaaa	acagaaaaaa	atatattaat	tttataatta	180
	tcttataaag	ccaaaagttt	tatgaattat	acttttttta	ttagttaaaa	atgacagcat	240
	aactaagggt	aattttttatt					260

<210> 453  
 <211> 544  
 <212> DNA  
 <213> Homo sapiens

<400> 453	tttttttttt	tttttttttt	tgaaaagaaa	atcagattgg	tttattgctt	ctgcttggtat	60
	acagagttga	agagcaagtt	tgagtgaagt	cctggagtgg	gcggtggatg	aggggaatta	120
	tggaaggagg	aggggttcct	caagtctggt	attttttaag	agatgggggtc	tcgctgtggt	180
	gccagggctg	gtcttgaact	cctgggctca	agcaatccac	ccatctcagc	ctcccaaagt	240
	gttgggatta	cagatgtgag	gcaccgcacc	tggcctcaaa	tctgttcttg	agcagtagag	300
	aggaaaggag	aaaggaaggg	accactggc	taaaataaaa	tacattttta	agaagggcaa	360

ctctcagtga	gtggttgtga	tggccgccct	gctagggctc	ttccctcgcc	tcctggagct	420
cctcccttca	tcctctcctg	tattgctggg	cccagcctag	tgtggaagaa	gagtaaagct	480
gagctagaag	tattttctgc	tggtgcccca	ccaatttaaa	cacattaaat	ttggagtgtg	540
gttc						544

<210> 454  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 454	tttttttttt	tttattatac	aaattagtag	tttatttctt	ccttttagtat	tacagttcca	60
	aaacgtaact	tgaaggctag	cacaggagct	gctgtgatat	aaaaggagag	agtcacctgg	120
	cgccccctgc	agtcctccag	ttgcccagca	gcagtgggac	gctcagtggc	acacagtggg	180
	tctctgtatg	gcctcccacc	tgcaagggtc	tccccgggca	ggcccagctg	ccagaagccc	240
	cggaaacacac	aggaagacaa	cactatagga	tggcaggtgg	ggatctgtgc	aatacaaaca	300
	tgtagctaga	aaacccaacc	gaggatctgt	ctagaatact	tc		342

<210> 455  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 455	tttttttttt	tttatgtgaa	taaatacaaa	agatttttatt	ttttcctctt	aatttcttta	60
	aaatacatat	cattatttta	agcagaaatt	gtaacttatg	acaggactta	caatatttta	120
	atatgtagat	ttaatatgta	tgacaactac	agcataaaag	acagggtatga	taaatggatg	180
	tacatactta	caagattttct	acatttttatg	tgaagtggca	catcaactct	aggtagactg	240
	aaaaattaag	aatgtatat	gtaatcacta	gaacatccaa	cttaaaaaaa	ttattaaaac	300
	agtatagcta	aagagccaat	aaattaaaat	acaatt			336

<210> 456  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 456	ggagacaatg	acaacggcag	ccgccatttt	attgccaatc	agccatgagc	cccgccttcc	60
	atacacaatg	acatttcac	cccacaatcg	attaacacaa	ccatgatagc	catgaactcc	120
	caactcctcc	agctgctagt	gctcaacggg	agagtccctc	ccagggtctgt	ctcattgcag	180
	agcccatatt	ctttctgccc	ggccagcagt	tactctctc	aatgagcagg	cactgggtgca	240
	gtcttgggtg	ggcaccagtc	acccttatgg	aaatccttga	tggatgttac	aggacaggat	300
	tggatgtgag	gggtcttgga	aatggggctc	aagaatcttc	atcatgaggc	gtttctgcgc	360
	ctactgacct	gagatacaga	gaggaagtcc	catggacacc	aacacccagt	tc	412

<210> 457  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400> 457	aagcgaacaa	tttgttataa	tgaaccagaa	atacaagatt	ccactgaaac	tgaacagttg	60
	acagaatatg	gttgaactta	aaccttcaag	ggaaacaagg	gcaaaacaaa	gctaattgag	120
	ggaaaagtcc	aagattagtt	tgggataaac	atgaggatat	aattgcattt	tagcatggct	180
	atcttctgac	ctcttccagc	agttcgtctg	ccatcattct	cccttctgac	acacctacca	240
	aatcaaattg	cttctgatcc	tctatattgc	agtataaacc	aaccttatag	tacctctctg	300
	gtcatgatac	aaacccagaa					320

<210> 458

<211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 458  
 acttgagaag tcaaacagtt ttattacaga actatgtgta tatatTTTTgg gtttaaaact 60  
 tgccaatagc tgTTTgaaag gatagctcat aatttattca aatagatatt ttattaatca 120  
 aatgTTTTtg gtttatcaac ataaccaaT gtataaaaaa tgTTTTtaaa tacaagacat 180  
 aactataaag tcatgaggct gattgacctt ttaaactaac ataataaaat ctatatggTc 240  
 aaaatgagtG gtgatgcttt aaggtaatga ttatgcgtcc catctaagga tgctgcaatg 300  
 gcctag 306

<210> 459  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<400> 459  
 tttttttttc agtgcatttg ccatttttat ttcgctatgc agaaacatac attcaccatg 60  
 ggctgtgatg caggTgatcg tgtaatggag aatctctctt tttgaaggct atttataact 120  
 aacactaaat agttttaatt acagtggaaa ttctgtacag tttgaaggctt ggctctgaac 180  
 tagaatgtaa atatggacca gatttgaaaa taaaacactt tcttttcaag taaaagaaga 240  
 aaaatcaatt aaaaaataca cggcacggaa aaagtaacta agaaaacaaa gccacaggaa 300  
 gcccagcagt ttctcctgaa gtgaaatttc ataataattgt aaactaacia aaatacaggT 360  
 tttcttccca aaataatgac aatttaagct ctctggattg aacacagacc aaagcaaaca 420  
 acaaggaaga aatcgcata atatgctaaa atcagtacta 460

<210> 460  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 460  
 ttttttaaaG tcttgcgTga ccacagactg ccctttatac agaaagcaga gtgaagcttc 60  
 aaaagtaact gccagagaag tttttgtacc aagcttatga gtggatggga gtgttacttt 120  
 tctttaaatg aaaaatgctg accaaagcct aatcggaaaa aaaggaaaaa ttaaaaataa 180  
 aaacaaactg aaggatatat gccaaagataa accaaaatta atacagtgat cacagcacag 240  
 ttcttaaaaca aaagtggcat acaatctaaa aatatctctt tttctagaaa tactattatg 300  
 taatctagtt caattatgga agcttttctg tcttgactct aaactgtctc ctttattgga 360  
 tactctaatt gcagtggcat acattcattt tttttttgag atgggactcc cttccttctg 420  
 tagct 425

<210> 461  
 <211> 483  
 <212> DNA  
 <213> Homo sapiens

<400> 461  
 tttagaagtG aaagtTgttt ttattgttta tatattatca agcaggcatc tgatgacctg 60  
 tggaattaga aataccagca gacatttcca aggggtaggt gcacaggTca acagaactaa 120  
 actacagtga tcttccctta gatccttttc tactgaggTg aatagctcaa aagacaagga 180  
 tgccTTtagt ccaggctaac ccctgtagcc tctacgcaat taacacagaa gaaaggcctt 240  
 cctcccttcc agcactgggg ctcaacagtG gactgagtgt ttggtagtgt acatttccaa 300  
 tcttaataga gcaaagccag acttctgctt tgatgactga gctacaggga caggagtggT 360  
 ccaaggTtct caaattctgt ttttgTTTT ttccagactt ctatactatt gtctgcccta 420  
 ggctgtaggg aatgctggTt agtttgctga acagacactg tgttcagcag ggtttgtggt 480  
 atc 483

<210> 462  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 462  
 gaatttcact ttagttttta ttwnattgta aaccattgvg atggaatgat agggtttccc 60  
 agaatcaggt ccatatttta actaaatgaa aattatgatt tatagccttc tcaaatacct 120  
 gccatacttg atatctcaac cagrgctaatt tttaccyctt taaaaattaa ataagcaagt 180  
 aactsggmtc cacaatttat aatacctg 208

<210> 463  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 463  
 ncccttgact ttattttatct tcataagnca caaaatgtga gtgcagagat aaatgtctgt 60  
 gtgcatgtgc cctgagcaac aggggtggcat aactcggcac actcataatg acacagccgt 120  
 tcacccagcc acagntagtgt acagggcaca catggcgaca cccacatgta cggngntaan 180  
 tctccccac catgacatgg gtagacagaa aacacgccgc agtntactct agtntgttta 240  
 cacaaacngg gagacaggcc cgtgcantgc atgttcacca acaccacan tcagngtgac 300  
 atctgctgga ggggtgttcag gacacaggcc acccaccgtg gacatggccg agntttcaca 360  
 tttnttcaca tggacacggg ttggtttgcc actttcantg 400

<210> 464  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 464  
 gtgtttcagt atcactttaa ttgcagtatt taancacatc actttgtatt cagaaaaaat 60  
 atctacccaa tactctctnc tctggaaatt nctattttcca accgtcattg aaaccagggn 120  
 ccctgctcaa cccctctggn aagnaataca cagcaaacaa ggnccctgggt caccacaga 180  
 agaggcagct ggttgataag ggttaggngc tgatctgggc tatgaccata tgggggtgca 240  
 gagcaaggga aggggctcag ggtgaggag gacagagacag aaaagcatct gttgggggac 300  
 tgagggaac agctcaacc aggggttcgg caggaggng g 341

<210> 465  
 <211> 596  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 465  
 ctgtattata cgttgataca gtacactgcc aggtgaaaca agagccttaa taaagcatgc 60  
 atcgccaca cccctgtatg agacccccac agaagggatc gcttgntaag gcaccattat 120  
 gaaggtaac agtgcattaa cagctagaaa accagaaatt agtcctcaag gcataataa 180

gagaaacata	gctgcatgag	aaaacagttt	ctaagcggtta	gtggttttat	ccacccaact	240
gagaaaaatt	ttaggttctt	aagtctaattg	aaacattaga	ccagcaattc	ccagccccag	300
ctttgtgaca	ctcaatacgt	gtccaatttc	ttctaagggg	catcacagaa	ttctccaaaa	360
agttaattca	aattcagaat	catttnaaaa	ataatcctgt	gttggacaat	gcctttcttg	420
aaggggagtg	ttacaaactt	ggagggggaa	aaaaaattgt	atattgccag	gcccggnttg	480
ctaggggggt	ccctgtntta	gcagatggga	tcttagctgc	tcattactgg	gatccgnatg	540
cagtcctgac	ttaaaaatgga	aaggcttnag	ttccccggnc	atgcatgact	tttgnt	596

<210> 466  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400> 466	attcttttat	tgtacattgg	agaaatagcc	ctgtgtgctg	gttcaagggtg	60
cacaggaaca	aattattgaat	taagaaaaga	gggaacgggg	aagggaangg	aaacctcttt	120
caacatacag	gttgncaaca	aaaaatggta	aaagatttcc	tcacgcaaga	nggcattttt	180
gaggtccaaa	tgcaaaacag	gcagctgggtg	tgccttaaga	gaatccctat	aaataacaga	240
gcaaatacca	caagcattcc	tgtacgtgga	ctcagagcac	agagaaaaga	aactaaaatg	300
aaagacactc	ttcaagatat	ttggcactct	tgtgattaca	tttttttaca	gtccattaaa	360
ccttttggat	ctgacataat	att				383

<210> 467  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 467	ataattacac	ttaatatattt	aatagtgtgc	tgtgaaatac	atagtttttt	60
gagtgttaaa	ggcaaagtgt	tcattttgtt	ttaatgactt	cgggtccaata	ttaaagaaaat	120
gttttgtttt	gaatagttct	tctttcaaga	tgagctgtat	ttattactgg	aacggaagtt	180
gaaatacagt	tgatcattag	ctttgaactt	taagcacgac	tgcttttccct	ccaaggactg	240
gtcatatccg	aatgactggc	accagcagca	taaagcatga	cttaaagcag	tttttgaaac	300
tttttcttca	gcaattgggg	ttaatgccgg	gaattccagt	gaaagccagg		360
ttttgcccac	ttg					363

<210> 468  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<400> 468	aattggggca	gagtacaccc	atttattgga	aaatgagaag	tcttgtgtgt	60
ttttcctaga	agatcagggg	ataatccatc	cattaagaat	tctccattaa		120
gcagagaaat	attaatcaca	atgatggata	tctttaacat	taggcaataa		180
gaatactcat	cacccaaaat	acaattttta	aaggtcata			239

<210> 469  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 469	ataactgtat	acttgcattg	aatgcctcac	aatcactcta	aaaccaaagc	60
taatgagaaa	gttaacatac	acaggaaaac	cagatacaga	gtataatttc		120
aggataataa	ctccccctc	ctcccccaaa	aaaagaaaaa	caaagaaaaa		180

ataatttggg taaagagcaa cacaaaatca aaattggcag ctactgaat gcttaaaatt 240  
caggaaattt gttctttaac taaaatggaa tatat 275

<210> 470  
<211> 209  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 470  
ttaaaaaacag aagcgcgacc atttctttat taaattatac aaatnnnnnnn gggagggggg 60  
cagctgtggg gctcggcaac acccggcccc acccggcctt ggcgctgtct gagaagaggg 120  
gatctgaggg agatccaggg atcaggcagg atagggatgg ggcaggacat gaggctgggg 180  
gatgcanang ttatttgga gangctacc 209

<210> 471  
<211> 423  
<212> DNA  
<213> Homo sapiens

<400> 471  
aatgattctc ttcctttttc acaactgtgc agtcactgtc ctattgtgtt ctattctgaa 60  
aaacaaattt ttttgaaggt caagtttttc aatggcacia aactatttgg aatgaaccca 120  
aaagatagcg gaaagttggg tccctcctca agtagtttcc tcctctttta acagcatcta 180  
actactctct atcaataatc tcatcacagc cgagttcttc ggtcagacga ttgacaacca 240  
tcagtgaana aagctcttcg ataaaagcta actgatcaaa cggggtcttc tcataatgca 300  
tctgaaaccc gccatccagg gctggttctc ttgttctcag aaacatcttg tcggcttctt 360  
caagagcggc tgatactctg tagccggcac cactgagctg ctctctctcg ggatagtcgt 420  
agt 423

<210> 472  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 472  
gtacaaaaaa aaagttttat tttgaagatt acagaacttg tgccatgacc ccacctggct 60  
tccattccca gcaatccagg gatctgtggt ggggatgaga gtgagaaaag ggagtaggag 120  
gggaggaggg aggcctgggt ggggtgggga agtgagtaa catggttgtt gagaagctcg 180  
tggcccccta ggctgggct cactgtcttt actcctccat actacaagag tgatgaggaa 240  
ggggatgagg cagatggggg ctatgatcat ggccaggagt acatcctctg gggggtcaga 300  
gaagg 305

<210> 473  
<211> 474  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 473  
gaatgtatat atttattata atctccaaaa taatttcact tgggtacaact gcttcttaaa 60  
accatatcaa tatcaggctc agaatttaaat tacaaccaag caattcacia aaacactgag 120  
caacaaaaca tgcttaatat ttctttgaga aagacccttc aaatatgtgt acagcatcac 180  
tgggagttac acaaaaactgt tacaaggatga ccattaagt ccccaattct gcacttctga 240  
catacatgaa tggctaagt aaccacgttt gggaatcttt ttacatctca aaataaagct 300



ttctgatgca	acttgccatc	cttttaaatt	ttaaaggata	ttcttgggta	attccttagg	360
aaagtaaaac	tacacacact	ttcagagaaa	ccaataagct	gcttagattt	ttaaaatttt	420
ttatattata	cacttcaatt	atgggggtatt	taattaaagn	cctccaaaaa	aanc	474

<210> 474  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 474						
aaagatttta	ttgtcttctt	aagtcaatat	ccctggngaa	antangngga	taacttgaaa	60
ctggtgacag	tgcaacacag	accttcagga	gctgctttga	aggactggcc	tgccagaatg	120
cctgctgtta	agcagcagcc	ccctcactcc	ggccccctgca	tcttgacaga	tggagctgcc	180
atggtttcag	ggacactcag	cagggatctg	ggttggtccc	tcccacatgg	accttgtaaa	240
gttgctattc	aggggacc					258

<210> 475  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 475						
ggtagganca	gaatacttta	ataagatacc	agtgtcaaaa	tacattncct	tataaagtta	60
agcncccata	cagttataat	gttgtcagta	ggaattcgac	aatataataa	cgctcatgaa	120
atcgttacgt	tgacaggtag	ggttaatatg	aagcttgga	tattttccag	tgttttagg	180
aaaactgcc	agggntaaaa	tgccctta	gcccggggcaa	cacacacagg	gaaatcaaat	240
accaggcatt	tacacgtcgt	aaacccttca	agttctggcc	acccgtgtgg	ggggtaatgg	300
ccgtgcggct	taaaatatgg	attttacggn	aacaccatgg	actaggggaa	tttccttcat	360
agggaaacttt	aaattttctt	tttgganggc	tattttctct	gtttttgggg	gcattaggtc	420
ttttccgggg	tttnactaan	aggttggggg	cccntgtggt	tttt		464

<210> 476  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 476						
tttttttttt	tttttttttt	tttttttttt	actatttaaa	taattttatt	tgtttcancc	60
tttggnagat	gagaaaaata	cattacaaaa	tacattatac	agaagacagc	tcacagtaca	120
cattactaaa	aacacaatct	acattccagc	cagggtctgt	gggtaagtcc	agaagaaagc	180
cacagaggcc	ttggaaaacc	agatttcaga	ctctatggga	ntggaatttt	ccccttatgt	240
cccgtcttta	tctcaacctc	aggcatgttt	tnntaggcac	ccctaattag	ggnggggtgt	300
ggggtaggag	ttaggaggca	ggcattgagg	tggggactgg	gngggacttc	tccattccac	360
cttaaaggca	ggcaaacctt	taaaagtccc	ccccaaaagg	naagggggta	gggggagggg	420
ggnaagaatg	ggcccaatgt	ggaantttgc	cgtgttctnc	aaaggcttt		469

<210> 477  
 <211> 389

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 477  
 atcagntggt ttntatctct tttattctgc ttttttccta atgtcataat ccatttgact 60  
 cctaagcatg taagtaggta ccacggaatg taaacaagta aggaaacaga aataaactga 120  
 ataatacgtg gaaacaaagc tgtgactcac acagatgaaa tagctgcaca aaagaaataa 180  
 catgaaaaca tttaaaaaga gacttaatgt agggaataag gctattttta tcaaggcaaa 240  
 aacaaattta tatccattat ttctaaaaat aaaattagga cttttcccaa tccttaacat 300  
 ctggcattta ataatatctt ctaaccnnaa atacaggtgg ctaaaacggc cagggttacct 360  
 tatatcttgg tacnggccta ccggttgg 389

<210> 478  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 478  
 tttnaagaaa aacnctagca catttattgg gagagtaagc ctgggaaaga ctaagggagt 60  
 ggtggcaggg agaaaggctg tggggantca gagcgggtnc tcagttgggt cttgaaggag 120  
 aagaggagga ggggtgggagg tgggt 145

<210> 479  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 479  
 acaacaaccc tatgaggtag gtactattat tcccatttta aagatgtgaa aattctatac 60  
 agagaggtta agtaacttgc atcaagtcag agagttaata aatgagggag ctgattaaaa 120  
 ttcaggcgcc tgggtaccca agttcctggt cttaaccact acactctagg cagcctctaa 180  
 gtttaggcc tgcaaccaga gttcctccag gggaaggga cgcttcaggg tcatgggaga 240  
 agttcaaggg ggaaaatata caaatgggct ctgtctccaa atggggggag atccctaagg 300  
 gggccagagg aagggttnagg gccaaagggg gaggccttcc acttacagng gaggccagg 359

<210> 480  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 480  
 cagattcact tcacttttat tatgaacaaa cacaatctca gattagtaca attagcttca 60  
 gagttgatat taatagaaat tattccaaat ttatccttgt cacaagtaac tactatatcc 120  
 cacataaaag gggaaaaaag cccacccaat cacagaaatg aggcattccc ggtatgtttc 180  
 cggggcaatg cggtgtttat gtattgccca aatttngtct ggctagtatt ccaccgcttc 240  
 tccaatggat tc 252

<210> 481  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 481  
 tttctgagac actgtcgatt tatttttagca ttacatttg acattcattt aacagacaca 60  
 caaggcaagc caacaggtaa acatgcttac acagcctgca gaaatcgcca ggttttanct 120  
 tgtttttttag gaaaacaacc aaaacaccca aaatttacca tgacccggta caggaaaaac 180  
 aggaggactc aagtgattac tagagctgca agtgtttctt agaattgaac caaaaattgt 240  
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<210> 482  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 482  
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 cagaagtaaa tnattataaa aatagtttgt ctaatacaga ctgtaaaagt tcagattttt 180  
 aagagattca catagtattt tatagcacta aaatattaat acagtcagaa atattatcaa 240  
 ttggtccaag atttctgttt ataaaatgtc tagactgcta attgaagaaa tgttgctgta 300  
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<210> 483  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 483  
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 ggatctcact tttctctttt tcaccctctg cccagctggc ctttgctctg gagaggcagt 180  
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 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 484  
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 aggctcgaga tggactgaga ggactgagac acagaagtgg ggggaccatg gtttttactg 180  
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agaatgcaat	agtgggagtt	cctgctctga	ggaaccctgg	ggncccagnt	ccttttccag	420
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 <211> 302  
 <212> DNA  
 <213> Homo sapiens

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gcaacaagaa	gttaagaaac	atagggcact	gtgtcgttat	gggtgaatcc	tagtcgtcct	180
gcagcccaag	gtccaagcta	gtttactcca	taaccttaag	ttaataaccg	cgggttcctat	240
gaataccttt	ccaaaacat	ttattataaa	aactcactct	ttatccatta	tcagtattaa	300
cg						302

<210> 486  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 486						
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aaattattca	tatggcactg	tgttcattgt	ttgtatatc	aagtacaaaa	gaaactatgt	180
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aggaggaaaa	ctgtttcaat	gttcagggtt	aaataactaag	cacaaaaata	taacaaattc	360
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<210> 487  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 487						
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tgcttcttgg	atgtctacta	attttgttgt	tggtattgtt	cttgaataac	tggttaataag	240
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gcaaccagcc	gggaaaatcc	ataggatcat	ttcagaccgc	attcaacaca	gatactcatg	480
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<210> 488  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 488						
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agcctcactt	ncttcacctt	ngcatcgtag	gtgccttgca	ttcttgtagg	cgctcacgta	420
gccactgtcg	tccaggatgt	cctgccgtcc	cgcaatgccc	ttgccct		467

<210> 489  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 489						
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ccagtggatt	cacactactg	atgtacatat	aaaatccgca	tgggtatgtgc	tcactggaga	240
caaaacagtg	cacacctgtc	aaaagggtcat	tttaactaat	aa		282

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 <211> 198  
 <212> DNA  
 <213> Homo sapiens

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gtatatgaaa	taaaccat					198

<210> 491  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 491						
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<210> 492  
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 <212> DNA  
 <213> Homo sapiens

<400> 492						
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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	cctgagaatg	gccaccagtc	cttactgagc	agcgatgac	aactttttat	ttatgagaca	180
	gctggagtgc	tgattgttaa	tagtgaatat	ccggcagaaa	ggaaacaagc	cttaatgagg	240
	aatctgttga	ctccactaat	ggagaagttt	aaaattctgt	tagaaaagtt	gatggctggc	300
	acaagatgaa	gaaaggcaag	cctctctagg	cagactgtct	taacctatgct	gttggatttg	360
	gcaagtcgaa	ccagtaaagc	ttttcagcca	acagacagac	tgtggaaaca	a	411

<210> 560  
 <211> 2283  
 <212> DNA  
 <213> Homo sapiens

<400> 560	ctcgcggccc	cagggggccat	ggcgaagaag	agcgcgtgaa	acggtatcta	tagcgtgtct	60
	ggagacgaga	agaagggtcc	tctcatcgtg	tccgggcccc	atggtgcccc	gtccaagggc	120
	gatggccctg	cgggcctggg	ggcgcccagc	agccgccttg	ctgtgccgcc	gcgagagact	180
	tggacacgcc	agatggactt	catcatgtcg	tgcgtgggct	tcgccgtggg	cctcggtaac	240
	gtgtggcget	tcccctacct	gtgctacaag	aacggcggag	gtgtgttcc	tattccctat	300
	gtcctgattg	ccctggttgg	aggaatcccc	attttcttcc	tggaaatctc	actgggccag	360
	ttcatgaagg	ccggcagcat	caatgtctgg	aacatctgtc	ccctattcaa	aggtctgggc	420
	tatgcctcca	tgggtgattgt	cttctactgc	aacacttact	acatcatggt	gctggcctgg	480
	ggcttctatt	acctggtcaa	gtcctttact	accactttgc	catgggctac	gtgtggccac	540
	acctggaaca	ctcctgactg	tgtagagatc	tttcgacatg	aagactgtgc	caatgacagc	600
	ttggccaacc	tcacatgtga	ccagcttgct	gaccggcggt	cccctgtcat	cgagttctgg	660
	gagaacaaag	tcttgaggct	ctccacaggg	ctggagggtc	caggagccct	caactgggag	720
	gtgaccctgt	gtctgctggc	ctgctgggtg	ctggtctact	tctgtgtctg	gaaggggggtc	780
	aaatccacgg	gaaagatcgt	gtacttctact	gtacatttcc	cctacgtggt	cctggctcgtg	840
	ctgctgggtg	gtggagtgtc	gctgcctggc	gccctggatg	gcatcattta	ctatctcaag	900
	cctgactggt	caaagctggg	gtccccctcag	gtgtggatag	atgcggggac	ccagattttc	960
	ttctcttatg	ccatcggcct	gggggcccctc	acagccctgg	gcagctacaa	tcgcttcaac	1020
	aacaactgct	acaaggatgc	catcatcctg	gcactcatca	acagcgggac	cagcttcttt	1080
	gctggctttg	tgggtcttctc	catcctgggc	ttcatggcca	cagagcaggg	tgtgcatatc	1140
	tccaaggtgg	cagaatcagg	gcctggtcta	gccttcattg	cctacccacg	ggctgtcaca	1200
	ctgatgcctg	tggccccact	ctgggctgcc	ttgttcttct	tcatgctgct	gctgctcggt	1260
	ctggacagcc	agttttagg	tgtggagggc	ttcatcactg	ggctcctgga	tctcctccc	1320
	gcctcctact	acttccgttt	tcaaagggag	atctccgtgg	ccctctgttg	tgccctctgc	1380
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	tactactcag	ctagtggcac	taccctgtct	tggcaggcct	tttgggagtg	cgtgggtggg	1500
	gcctgggtgt	acggagctga	ccgcttcatg	gacgacattg	cctgtatgat	cgggtaccga	1560
	ccttgcccct	ggatgaaatg	gtgctggtcc	ttcttcaccc	cgctggtctg	catgggcatc	1620

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accagccca	tctggggcct	ccaccacttg	gagtaccgag	ctcaggacgc	agatgtcagg	1860
ggcctgacca	ccctgacccc	agtgtccgag	agcagcaagg	tcgtcgtggt	ggagagtgtc	1920
atgtgacaac	tcagctcaca	tcaccagctc	acctctggta	gcatagcag	cccctgcttc	1980
agccccaccg	cacccctcca	gggggcctgc	ctttccctga	cacttttggg	gtctgcctgg	2040
gggaggagg	gagaaagcac	catgagtgtc	cactaaaaca	actttttcca	tttttaataa	2100
aacgccaaaa	atatcacaac	ccaccaaaaa	tagatgcctc	tccccctcca	gccctagccg	2160
agctggtctc	gatatcaagc	ttatcgatac	cgtcgacctc	ggaggggggg	gccggtaccc	2220
aattcgccct	atagtgagtc	ggttttacaa	attcaattgg	ccgtcgggtt	tacaacggtc	2280
ggt						2283

<210> 561  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 561						60
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acgccatgca	ccctgttccc	tgacaagttt	caacaattgt	aaatatttct	tccttgaaga	120
ggagagcttg	ggtggggggt	gggtgggagg	gacttgggtc	tttgggtgcta	ggagagggcc	180
tgtgctccac	acagccgtgg	ttttctgatt	ttcaccatgc	ccggggcctc	ccttcccacc	240
tgctgtgag	aattgggagg	ttagtgcttg	aagctcagag	ctacacattt	ttaattagtt	300
tttacatttt	tnggataaag	gttgaaataa	agtgggtgtg	aatttttaaa	aaaa	354

<210> 562  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 562						60
ttaaagcaaa	gaattccccg	gtcccagcca	tgtccaacgt	ccccacaaag	tcctcgctgc	
ccgagggcat	ccgccctggc	acggtgctga	gaattcgcg	cttggttcct	cccaatgcc	120
gcaggttcca	tgtaaacctg	ctgtgcgggg	aggagcaggg	ctccgatgcc	gccctgcatt	180
tcaacccccg	gctggacacg	tcggaggtgg	tcttcaacag	caaggagcaa	ggctcctggg	240
gccgcgagga	gcgcggggcg	ggcgttcctt	tccagcgcg	gcagcccttc	gaggtgctca	300
tcacgcgctc	agacgacggc	ttcaaggccg	tggttgggga	cgcccagtac	caccacttcc	360
gccaccgct	gccgctggcg	cgctgcgcc	tggtggaggt	gggcggggac	gtgcagctgg	420
actccgtgag	gatcttctga	gcagaagccc	aggcgggccc	gggccttggc	tggcaaataa	480
agcgttagcc	cgcagcgc					498

<210> 563  
 <211> 1042  
 <212> DNA  
 <213> Homo sapiens

<400> 563						60
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acttcgaagg	ctgaccgacc	aagaccatca	ctatgaccga	tggagactat	gattatctga	120
tcaaaactcct	ggccctcggg	gattcagggg	tggggaagac	aacatttctt	tatagatata	180
cagataataa	attcaatccc	aaattcatca	ctacagtagg	aatagacttt	cgggaaaaaac	240

gtgtggttta	taatgcacaa	ggaccgaatg	gatcttcagg	gaaagcattt	aaagtgcattc	300
ttcagctttg	ggacactgcg	ggacaagagc	ggttcaggag	tctcaccact	gcattttttca	360
gagacgccat	gggcttttta	ttaatgtttg	acctcaccag	tcaacagagc	ttcttaaagt	420
tcagaaactg	gatgagccaa	ctgcaagcaa	atgcttattg	tgaaaatcca	gatatatgat	480
taattggcaa	caaggcagac	ctaccagatc	agagggaagt	caatgaacgg	caagctcggg	540
aactggctga	caaatatggc	ataccatatt	ttgaaacaag	tgcagcaact	ggacagaatg	600
tggagaaagc	tgtagaaacc	cttttggact	taatcatgaa	gcgaatggaa	cagtgtgtgg	660
agaagacaca	aatccctgat	actgtcaatg	gtggaaattc	tggaaacttg	gatggggaaa	720
agccaccaga	gaagaaatgt	atctgctaga	ctctacatag	aaactgaaca	tcaagaaccc	780
caccaaata	ttacttttaa	aacaatgaca	aaccacacaa	ttgttggtga	gtaaaccacg	840
cacaatggca	tgtctttctt	tttctgccag	aaaatctatt	ttaagaaacc	agaatagtca	900
acagtgttca	aaagaattga	ctagtattcc	ctgaggccct	ttcaaactg	atcaaagatt	960
tccaatgtg	atctcatcat	catggatact	caatttgttt	tttcttatag	agaaaatgag	1020
tatatagaca	tatacagaga	at				1042

<210> 564  
 <211> 2066  
 <212> DNA  
 <213> Homo sapiens

<400> 564						
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cgggcgcgcc	cagccccggc	ccctggagcg	cccgccgcgg	tccccacctc	catggacgcc	120
ttcaaggggg	gcatgagcct	ggagcggctg	ccggaggggt	tccggccgcc	gccgccgcca	180
ccccatgaca	tggggcccg	cttccacctg	gcccggcccc	ccgacccccg	cgagccgctc	240
gagaactccg	ccagcagatc	gtctgacacg	gagctgccag	agaaggagcg	cggcggggaa	300
cccaaggggc	ccgaggacag	tgggtgcggga	ggcacgggct	gcggcggcgc	agacgaccca	360
gccaagaaga	agaagcagcg	gcggcaacgt	acgcacttca	caagccagca	gttgcaagag	420
ctagaggcca	cgttccagag	gaaccgctac	cccagacatga	gcatgaggga	ggagatcgcc	480
gtgtggacca	acctcaccga	gccgcgcgtg	cgggtctggt	tcaagaacag	gcgagccaag	540
tggcgtaagc	gcgagcgtaa	ccagcagctg	gacctgtgca	aggggtggcta	cgtgccgcag	600
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tgggccgcca	agagcctggc	gccagcgccg	ctctccacca	agagcttcac	cttcttcaac	720
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aacatcaaca	acctcaccgg	ctcctcgctc	aactcggcca	tgtcgccggg	cgcttgcccg	900
tacggcactc	ccgcctcgcc	ctacagcgtc	taccgggaca	cgtgcaactc	gagcctagcc	960
agcctgcggc	tcaagtccaa	acagcactcg	tcgtttggct	acggcggcct	gcagggcccc	1020
gcctcgggcc	tcaacgcgtg	ccagtacaac	agctgaccgc	cccgccgcac	cacgcggggc	1080
ggcgcccgga	gcgggggaag	gcgcggggcg	ggaggacgca	cgcggggccc	cggctcgcaa	1140
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tccgggtttg	ttttgtgttt	gcttttccgg	acccactct	gccctccaaa	aagacaaaaa	1260
aaaaaaaaaa	aaaaaaagca	aaaagacgtc	ggagaaaagt	gccgcgaaaa	aatggatgag	1320
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ccactccgcg	gagggcacgc	ggcgcggtag	gcaagcgccg	aggcccagcg	gccgggggag	1440
gacaacctcg	tatcccgcgc	ccccgcgcgc	ctggatccgg	actgagcggc	cgggcctgcg	1500
gactggatgt	gcggggcctg	gacttgccct	ggatttcccg	accccgatca	aaccaagttg	1560
ccctctccga	gctaggcccc	gccgagagcg	ccttaactcg	agtcggatcc	gtgttggggc	1620

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ggccacggag	cgacagcggg	cagtgcgggc	ctggcgggag	gtgggggagg	tccatctcag	1800
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aggtggccct	ctgtctgggc	gaacagcccc	ctcctcaccg	cccgcgtgc	aagagtgcag	1920
ccggcagagc	aaggggcgcg	gccccagggc	cctgcgcccc	ctttgcacac	ccgctctccg	1980
gcccgcgccc	ctgtttacag	cgccccctgtg	tatgttggac	tgactgtaat	aaatctgtct	2040
atatcgacta	aaaaaaaaaa	aaaaaa				2066

<210> 565  
 <211> 625  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 565	cgccctttca	tcgttggttt	aaaatggcta	atcagaataa	aaaataaaag	ggcctctttg	60
	tggaggctgg	gatctccctt	atttagaggt	tagaaccag	gtatccctc	taccagcac	120
	catagtggag	tgggctgagg	ggtaaccccc	aagggacaat	cggaggggccc	taggcctgcc	180
	actccttctc	tctatccncc	gtttngggaa	tgtgatgaaa	aatattgggt	ttnggattct	240
	cctctcctgg	ccttggtatt	taaaatcaag	ttaactgtgt	aagctagggg	aggctccaag	300
	gggccagnag	gagcacactc	taatccctct	cccccaagga	ggggattatc	cantattgtt	360
	tgagctaggc	caagttattt	tcctgatctc	ccaccaccac	cagtnttngg	angtttggac	420
	cccnnccta	gggaaactaa	tgtnaatnaa	tagattcaan	tnggntaaca	agntaannnt	480
	aaaannnnnt	tcccnttntt	ttncnnnnnn	nnnnntnncc	nnnnntnnnn	nnaannnnnt	540
	tnncctntnn	tnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn				625

<210> 566  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 566	gatgangaca	gggtcgtgcc	cagatgatgg	agaaatcgac	ccagaagcct	gaggaggtgt	60
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	gctgcctgga	gcaggtgtgc	tgaataccct	ggatgggaac	tgagcgaacc	cgggcctccg	180
	ctcagagaga	cgtggcagga	ccagcgagga	atccagcctg	tccacttcca	gaacagtgtt	240
	tcccangccc	cgctnagtgg	accggacctc	tgacacctcc	aaggttcttg	ctgactccgg	300
	cctggtgaaa	gggaagcgcc	atggtcctgg	ctggtggggg	cccagggaag	aaggctctct	360
	tctnggacaa	acacaccctc	ccagccccca	gggctgttgc	aaacacattg	ccccttgcca	420
	taaagcacca	aacaaagaac	ttctttgcag	ggtggagtgg	gctgtttttt	aataaagttt	480
	gttttacaga	ttacggaaac	agttcaaaaat	gggatttata	atttcttttt	ttgcattaat	540
	aaataaagat	cctctgttaa	caaaaaaaaa	aaaa			574

<210> 567  
 <211> 1707  
 <212> DNA  
 <213> Homo sapiens

<400> 567  
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 cggggccttc tccgggggag cggtcggggc tgcgcgtttg accgcccccc tcttcgagaa 180  
 gcaatggctt ccaaactcct gcgcgcgggc atcctcgggc cgcccggttc gggcaagggc 240  
 accgtgtgcc agaggatcgc ccagaacttt ggtctccagc atctctccag cggccacttc 300  
 ttgcgggaga acatcaaggc cagcacaggaa gttggtgaga tggcaaagca gtatatagag 360  
 aaaagtcttt tggttccaga ccatgtgatc acacgcctaa tgatgtccga gttggagAAC 420  
 aggcgtggac agcactgggt ccttgatggg tttcctagga cattaggaca agccgaagcc 480  
 ctggacaaaa tctgtgaagt ggatctagtg atcagtttga atattccatt tgaaacactt 540  
 aaagatcgtc tcagccggcg ttggattcac cctcctagcg gaaggggtata taacctggac 600  
 ttcaatccac ctcatgtaca tggattgatg gacgtcactg gtgaaccgtt agtccagcag 660  
 gaggatgata aaccggaagc agttgctgcc aggctaagac agtacaaaga cgtggcaaac 720  
 ccagtcattg aattatacaa gagccgagga gtgctccacc aattttccgg aacggagacg 780  
 aacaaaatct ggccctacgt ttacacactt ttctcaaaca agatcacacc tattcagtc 840  
 aaagaagcat attgaccctg cccaatggaa gaaccaggaa gatgtggtca ttcattcaat 900  
 agtgtgtgta gtattgggtg tgtgtccaaa ttagaagcta gctgaggtag cttgcagcat 960  
 cttttctagt tgaaatggtg aactgatagg aaaacaaatg agtagaaaga gttcatgaag 1020  
 aggcctcct ctgcctttca aaaggctggg cacctacaca tgtttaagggt gtctctgcac 1080  
 atgtctcaag cccatcacaa gaaagcaagt acagtgtgga tttcaaattg tgtgtaactt 1140  
 cagctccagc tggtttttga cagctgttgc tgtggttaata tttttgacat gtgatgggtg 1200  
 tagtctctgg ttctccccat cccacaaag gctgttgaac cacagcacca ggaagcctga 1260  
 gaatgaatcc tgagggtctc agcccaggct ttgtcccagg ctttctgggtg tgtgccctcc 1320  
 tggtaacagt gaaattgaag ctacttactc atagtgggtg tttctctggg cttgagtgac 1380  
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 ttttgacat ctgttttcac tcttaggctt ttaaacaata gttattgctt ttatccctct 1560  
 cagattctaa taactgagag cgatggggct atattgaatc tctgtatgca ctgagaactg 1620  
 agctatgaag agaactctat taaactgctg gtctgacttt atggattgac actgttcctt 1680  
 tcttttattg tgaaaaaaaa aaaaaaa 1707

<210> 568  
 <211> 3273  
 <212> DNA  
 <213> Homo sapiens

<400> 568  
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 gccggcgggg gagggcggtg gcgcggagcc gacgggaacg tccgcgctgc ggagcagggc 120  
 agggaagccg ggaggcgggc ccggcccagc cttgtccttg tcgcgcaggt actccgagca 180  
 ctatgtcgtc cccggcgtcg accccgagcc gccgcggcag ccggcgtgga agggccaccc 240  
 ccgcccagac gcctcggagt gaggatgcca ggtcatctcc ctctcagaga cgtagaggcg 300  
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 agagcactgc tgcgcaggac gtgctgtttt ccagccctcc ccaaattgcat tcttcagcta 420  
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cagcatgcaa	agaaaacttt	cagagatttc	ttcagcgttt	tattgaccct	ctggctaaag	720
aagaagaaaa	tgttggcata	gatattactg	aacctctata	catgcaacga	cttggggaga	780
ttaatgttat	tggtagagcaa	tttttaaagt	tgaactgtga	acacatcaaa	tcatttgaca	840
aaaatttgta	cagacaactc	atctcttacc	cacaggaagt	tattccaact	tttgacatgg	900
ctgtcaatga	aatcttcttt	gaccgttacc	ctgactcaat	cttagaacat	cagattcaag	960
taagaccatt	caacgcattg	aagactaaga	atatgagaaa	cctgaatcca	gaagacattg	1020
accagctcat	caccatcagc	ggcatggtga	tcaggacatc	ccagctgatt	cccagatgc	1080
aggaggcctt	cttccagtgc	caagtgtgtg	cccacacgac	ccgggtggag	atggaccgcg	1140
gccgcattgc	agagcccagt	gtgtgcgggc	gctgccacac	caccacagc	atggcactca	1200
tccacaaccg	ctccctcttc	tctgacaagc	agatgatcaa	gcttcaggag	tctccggaag	1260
acatgcctgc	agggcagaca	ccacacacag	ttatcctgtt	tgctcacaat	gatctcgttg	1320
acaaggtcca	gcctggggac	agagtgaatg	ttacaggcat	ctatcgagct	gtgcctattc	1380
gagtcaatcc	aagagtgagt	aatgtgaagt	ctgtctacaa	aaccacatt	gatgtcattc	1440
attatcgga	aacggatgca	aaacgtctgc	atggccttga	tgaagaagca	gaacagaaac	1500
ttttttcaga	gaaacgtgtg	gaattgctta	aggaactttc	caggaaacca	gacatttatg	1560
agaggcttgc	ttcagccttg	gctccaagca	tttatgaaca	tgaagatata	aagaagggaa	1620
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caggtgctct	tgtcctgagt	gacaacggca	tctgctgtat	cgatgagttc	gacaagatga	1920
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 <212> DNA  
 <213> Homo sapiens

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<210> 570  
 <211> 485  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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gtaactgcag	cggccaccaa	gcgtccccct	ctgggctctg	gagggtttcg	gccctgacctg	180
cctccccctt	cctcctgggg	cagctgggac	aggggacccc	tgtttgaaga	cagcggggac	240
aacggccccg	gaggcagctg	aattgcccac	tgtgaggccc	ttcttccttg	gcactgacctg	300
aaccccgtag	cccactccgg	ctgcccgggc	tcttctgcct	tctcctggca	ccagcctccg	360
ggccccgggc	agcttgctag	gagagcgaga	acactgtttc	tgaaaggggt	gctgcttgct	420
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tggcg						485

<210> 571  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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ccttgaaaca	gaaacacttg	gaattaaaac	ataatttgta	aaaaatcatg	agccctgcga	120
tgagtgggct	gggagctggc	tccttccttc	tgtgcgtggt	cgggaggctt	cacgtcctcg	180
cccgtggtcc	ctgggtggcc	tgagnacca	gggggtggaa	acaatgccag	ggagaattcc	240
tgtcacatca	aacaggaaca	ttcactggat	tcctcttcca	gggaaaggag	ctgggggtgg	300
aagtgtggaa	ggacttgagt	gttggtttctt	ttccaactcc	aggcagtgc	tccggctg	358

<210> 572  
 <211> 429  
 <212> DNA

095456-091604

<213> Homo sapiens

<400> 572  
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 agctacgcgg ggaggcggcc ccattgcaaa gtgcagtttc tccgcggagg tggcggtggg 180  
 tcagtggcag agggccatgg tttccatggt aaggaagcgg acgtgcatct tggctcctaat 240  
 gtcgatcccc tgccagatct tcaggaagtc ctgaagggtg atccccctcgt acacctgac 300  
 aggctccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg 360  
 agcgagcgga ctcttctcgt atgtgagggg ttcccgcagag cagctcctcg accactttac 420  
 atttcgagg 429

<210> 573  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 573  
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 tctgccagag taccataca tcttcatttt agaacctaga agattaccaa aattttccgt 120  
 gggccagagg aggggtgact ccagatcttt tgttacatgg actatagtag agcatcgta 180  
 ttgatataaa ccaccattct cccctcaaac ccccgagaca agtttgtcca caattttttt 240  
 aatgtgaaag ctactgtaca gatacttaaa gcccgagaa cacacat 287

<210> 574  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 574  
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 aatctgtcac ataatagatg tgcttcttta ttaacatatt aaagattaca agacctaggg 120  
 ggtggatcta attattacca taatttcaga gtggtgctgt acataaatat ttttaagatat 180  
 ctgtaacgtg gatattctgtg attcctagtg atgacagaga cacaggtagt aatactgctg 240  
 tgggttgttg cctattttcc tgatggaaat aaataaaaac ttcttttttc catcgaagtt 300  
 ttcagatttc ctgatttcta tcctctggcc ccttttagatt cacagatt 348

<210> 575  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<400> 575  
 ttttcacatt ttcagacatc atcttgttta ttacaaaact taaaacacct tccaggcaag 60  
 atccaaagca attttattct aacattgttc accttcatct gtagagtcaa atgtatctgc 120  
 cagcttgtgt tgacaagggg gaatgcttcc catttggtca aggttgaggg acagtaaagg 180  
 aatcttgtat tctaattgagt acagcatcct ttcattgtcc aagccatcca ccttaggctt 240  
 tgaggttcaa gtccagggtc ggagaagaga aagtttcata ccc 283

<210> 576  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<400> 576  
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 gtgcatatgt tgggtgtagct agtcccgcga cattgagctc ctctgcatga agacactggg 120  
 ctctgcatc cagctgtttt tattgcaaac tagctccttt ctcccacact ggggaacttta 180  
 gtccacgagg ctgtcaccac cctggtagca ctgggccagg ctttgtagct cctgcagcag 240  
 ctctgctacg tcatcgtgct ccaactccagc atccatgaag ctggcccagc gccgcaagtc 300

gagtttggtg aggtctctgg ccaa

324

<210> 577  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 577  
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cagagagaga gagagagaga gagaggcaga cctaagatcc ctgttccaat cccagactc 120  
acctaggggg tcagcacata cattccatac caagggtgacc caaaccact atcagggtct 180  
gtgcctgggc acaaaggggc aggcaggggc agtgccatcg tttgaaacta ggtctgtctg 240  
gttggggggc tcctttgcag gtccatatgc cttttcacag cctcacatta gggatgttca 300  
cagcagagtg gcctgttcgg ggtgggggac tggtgtcga taggctggta gcgagcccta 360  
gtagcatctc ggcgggcgcg gaaggccagg aattcctccc gaag 404

<210> 578  
<211> 284  
<212> DNA  
<213> Homo sapiens

<400> 578  
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gtctgagaag aggtttcatg agatagacca gaggactatg taaaaaatca agagttctaa 120  
accaataaga aaaagggcac aatgaagcac acatccccag gggccacggc agcctaggac 180  
cttcctatca gtggggaggc aaggtctttg acggcttttg agttcagctg agggatcatg 240  
ctgatcttca ggagtttgct gcttgcatac ttattcttga tggc 284

<210> 579  
<211> 352  
<212> DNA  
<213> Homo sapiens

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ggggagcacg gtgggggtcag ggtgctgtgt ggtcccgcaa agaggcagct gagcttgggc 120  
ctcaggtcgt tccacacett gctcatctcc ttgtgccctt ggatctgaga gttgacgaag 180  
gcgcggagga tgtgggaggt gaggggcagg tagacgtgga tgagctgcgt ctctgtgtgc 240  
aggcagtaca gggagaagta gttccgcagc tccatcgtct gaatcgcgtt ctctccacg 300  
atgcgggact ccagctgctc cacggactcc ggctcgcggt tctgcgcggt gg 352

<210> 580  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 580  
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tatacacagg gtaggttgta catagcagtt tcagaaacat cattgcatcc accagagaaa 120  
ctattctaaa actgatattc acacattttt tataataata ataatatgtt agaaacatac 180  
agtgtggcat ttagtatata cactcccttg ctgcgaagcg aaaaatccta atcgcttctg 240  
tataacatgc tttattttta agcctaacct ttaaaaacac tgttgatgata ttactaacia 300  
ctgcttttat aaaattaatt tgacatttcg atatatatac atcctttcag tcatttaaaa 360  
tgtaacaat gctaaactta aaaaataaca agcttatagn taatggttaa aat 413

<210> 581

<211> 323  
 <212> DNA  
 <213> Homo sapiens

<400> 581  
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 gattcatatt cagtaaacac ttattgggaa tctacactat caggaatgct ttttaaccac 120  
 aagtaatgga atacacaaat aatagtggct taaagacatt agttatatca catgacaaaa 180  
 aggctagaga tcattgtttt tgtgttaact tgttgcatg ctatcatata actgctttca 240  
 cttcaagcac tgtgcagagc ctcccagagg acctccgtgt gtgctcctt ggttcttct 300  
 aggttccata gccagcctta gct 323

<210> 582  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 582  
 caacatctaa atagactttt atttttattt tacttgtttg gacagaaaag aaaattcatc 60  
 agctttcatt agagtctcct taagtnttgg aaacaantta aactcagaaa tagtggacct 120  
 tgtagaaaag catcacaaat taaaaatata tttctccatg tggtaaaaagt gctttcaatc 180  
 ccattaaagg gcacagcaag ggtgtttgga aacacgatct gaaatttggc ctgcaatccg 240  
 tggcatcgat tccaaccaca gggcggggga gtcaccatga tctagagcac aggagccacg 300  
 tggggcccgg agcatgcgga cagcaac 327

<210> 583  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 583  
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 cagttactga atcagaagca tttcttaca agcaaacaaa ataagcatcc cttctatgtt 120  
 aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180  
 agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcactatgt 240  
 ctgttgaaaa aggaataaat aattatggag cctatctaata aatatactca atagnttgaa 300  
 attattgag 309

<210> 584  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 584  
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 tatatggctg taagttacta tttcctttca ttcaacctga attcctccct tcagcatttc 120  
 tttgagagaa aaaataggaa aattagtat tggagggtccc tataaaattt tcttacatct 180  
 caagtgttcc tgaaatcagg tgtttgggct ttatgaaatt ctgagtaact ttttttttaa 240  
 caa 243

<210> 585  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 585  
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 ctgcagggtg ccagtgtcct gccgagctgg gggctcctgac ggtagcggtc ccggcagtg 300  
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<210> 586  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 586  
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 acatgagaag acaaagataa ggcaaattgca gcaaaattgt aataattggt gaatccaggt 120  
 gaagggacta tggctggtct ttgtactttt ttttccaact tttctgtagg tttaaaattt 180  
 tcaaaataaa aaatgggaaa tacttttaaaa attgtaataca aagacattag tacagaaact 240  
 ttcataatgt attttatttt tacagtaaaa ttaatttatg taaattgata gaattttact 300  
 aatttcactc ccaagttaca ttaaaaggct tacatatgtt tgataatagc atatgtaaac 360  
 tagaactctg aatgatattc attggtcata atacgtacta tgtagcggta atgggtgacnt 420  
 ttgtgattgc acaagtcnag agatgcccc aatgacattg acctagacat cnggggttatt 480  
 cnaaggctga acngaagttg aatagaaggg ttagtccaa tacngagatg aaacngaggc 540  
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<210> 587  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 587  
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 ttatgtttct tcttgtcaga ccagaaggg agatctttga acaacagtgc ttcaaattga 180  
 gaattcagtc ccaggaaggg tctctctgcc ccacagactg tgggtggaca aactgggtg 240  
 taacacttta tcttcatccc caagccccag aaaattagag gcagagtctt tctgacttgg 300  
 gtaccagttt aagtccttat taagcagcaa aaattaattc caaaatttgg atgctgncct 360  
 tgggaagaag catacaggaa aatgaaagg gtaagagtaa tacagcagcc catctgttgg 420  
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<210> 588  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 588  
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gataaattgt ttcaggaagg gttgagatga tgttgaacat catgccctcc acatcaattt 180  
acggggaaaa aaattcatct tgtttctgcc gattcaagag ggactgacaa gaggcaggaa 240  
acaataggcc aacactgtgg gtcattttca actgggtttc aggccttaca aaatttctgg 300  
acttgaaaaa tttaaagggt gagggcaagg ctttttccac ttcaatgggg ctgggtttaa 360  
aacccttttt ggcacccaga ttccaggctt nttaggggac aggaggcaga ggtttttggg 420  
ggntagggaa aggtttttng ggacaagtta cggtttccaa ggttccncgg agggcanttt 480  
tttttcggag ggantttt 498

<210> 589  
<211> 237  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 589  
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tttagttcat gactgcaaaa cacacactta gcatttgaca acaggaaaca cagagggcag 180  
aaacaaatca caaggactag ttggtttagg ttacagccac attttccccg gggctcc 237

<210> 590  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 590  
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tcgaacaata aatagttata aagaagatct gctgccctac cctctgggtg tgaggcctcc 120  
atatggagtc agcagaggat ctgggaggga tcctgggaag ctctgggatc ctgggggtctc 180  
tgccgtctca gtgggcgcaa cagaagccag gcaagcttcc cacccttctc tgcaggcacc 240  
agctgggccc ccaggg 256

<210> 591  
<211> 392  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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attttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180  
tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240  
aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300  
aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360  
gtcacttgac atatccaatg ttggctatct tg 392

<210> 592  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

<400> 592  
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 ataaggaagg gaggggacgg gggcagggag gtaggttcta cgtcttgag cacatcccac 120  
 actttgatcg atgacagcag ccgcagcaga aaatgcagat ggggaagtgg gtgtctcgcc 180  
 tccttcgcct ctggaacatg ggcattccagc tggccc 216

<210> 593  
 <211> 538  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 593  
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 ccttgaccag tcacagtcct ttttatataa aatttgggtt ttattttcgc agtattagca 180  
 cccttacata ggtcttggtta tctgtgattt catcaaatat tatatttttc tgaggccagg 240  
 gtttcagata tgctgattag tctttcaatc aagattaaga acaaatgctt caattttcaa 300  
 ttttgtttat attcttatag ggcctctgag ggttaaaaact aatttattaa atgtgttatt 360  
 cattcccaaa aactttttaa aatcccattt tatttaatta atttatttga ggacataggg 420  
 tcaactctgtc gcccnnggggt tgagggtgcaa gggcncaatc gtggggctca atgcaacctc 480  
 cgnctccngg gggntcaagg caattctggc ctcaggctcc caagtaggtg gggggcct 538

<210> 594  
 <211> 552  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 594  
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 atgaaattcc ctttcccgtta agttatgtgc ctgtcagcca tcccacttca gtccatcttt 180  
 ggatgctgag gctctgggtg ccagtcctta tctctacacc tgtccctggg ctagaggaga 240  
 aacgaagggt ctctgaggcc cctgtaacag agacccttgt catccatatt tgcaataaag 300  
 acatcatgga ggctgtgcaa aagtatcctt ctccccaact tctgcaggca ccatttccat 360  
 ctactaccc agaggtagat cagagagcag gagccaggca ggtgacaaag atgtggaagg 420  
 cttctaagtg gttggctttg cgtctcagaa gtgcgaagaa atgaaaatcc atcaaacaga 480  
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<210> 595  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c



<400> 595  
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 gtattggtgt gggatgttgt cggggggaca ggggacagcg aggatgtggg atcccgagat 180  
 catccaaatc cctatgtgta gacatatgtg tataaaggcc ttaagagac tcaggctgat 240  
 ggggtatcag atactcaaga tgggtggtgc cgggctctga aagacatgct tcaagtaaga 300  
 gggactagaa aactccgcca ggggaagcaac agggatcagg gattccagga ggatccaggg 360  
 gcctggggac ttgttaacaa cagattgttg ggtctcactc cctagagttt cntcttcaag 420  
 tattctgggg agcagccctg tgaatcataa taccaagtca gggaggggtg tccaccatca 480  
 aatgttccag cntgcagtgg gcccggggaag 510

<210> 596  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 596  
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 caccaggcct ggccagtcct tccattctta gttcttgagg ttatgcagtg tctttgccct 180  
 gtgcttctct tgtattatga tccaaactcc tttgtttaaa aaaaaaataa aacacctaaa 240  
 tataatccaa atgtgctaataaatgtgaaa cagcctcttt ctctgaaaca agttcttcag 300  
 taaaataatt ctgtaatgta ttgctttgct tttcttacat gaagttatgc tattacaaaa 360  
 ttaagtttca attacaggca aggttaaact ctgcaagcaa cccaaaactc aaaaagggct 420  
 gaatgataag tcattcaggt aaagacaaaa gaatgg 456

<210> 597  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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 aacagactat ggagaatgag aggaatcaga ctgcctgtca cacacctctc atggaacccc 180  
 ctagtgacac ctataaggac gttacagatc tagttccaga ctttacagat ctagttctat 240  
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 agtcactagt gagttggcgg cagtcagggtc tcttngattn ttttcccat actctcagcc 360  
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<210> 598  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 598  
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 aacatgaatt ctggctctca gagaagctga cattgtttcc ctgaacattc ccgtggtctc 180  
 cctctgaaag ccgatgacca tccaaccctg actcacctga aatatectac gagcatcgcc 240  
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<210> 599  
 <211> 400

<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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atggcacttt acaacgatgc ctgaggggat gtgcttcaga cacgcagttg ctggttttgt 180  
tggttgccctg gccccctgga ccgtgtcctt tcacaaactg ctcttcgagt tcattctcat 240  
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ggnatattcg ggtcaagtng gtgtaggaaa atgaaataaa 400

<210> 600  
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<212> DNA  
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ctcttccttg gctccttgag gctgg 265

<210> 601  
<211> 118  
<212> DNA  
<213> Homo sapiens

<400> 601  
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atttttaaaa gacacatata cacaaacaca aacatgtgca gtaaactcaa acacacaa 118

<210> 602  
<211> 234  
<212> DNA  
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<400> 602  
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aggtcagaac tattcattat ttttgcccaa agacattccc actaaagaag ggacacagtg 180  
tggtaaaata cattctagag ataagatgag gcagagtgcg agtgagtttg ctga 234

<210> 603  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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gaaagggccg aaaaataaat t 441

<210> 604  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 604  
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ggagaaaagc agaaagcagt acaaatacga gacttcaagc agattcttag agcgactggg 300  
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<210> 605  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<211> 606  
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<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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 <212> DNA  
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<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

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gttctgcac cacaaccccc acgacataat gcagctgcca cagcaaacat aagtgcattc      180
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 <211> 563  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

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tggaagtgtc gctgaaggaa aca                                           563
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

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ttaaatagga ttttatctat agtatcatat atataaaatc cttatacaag taaccattga      180
aacaagtcag taacaaaata ttcacataac tgtatcacag atcttaggaa acagacattc      240
agaaaagatt taaggccact aagtaacagc ctctcataaa acccaacaaa tcttaaaatt      300
gcnattagac ttaaaaggga cctaaatacc acttcatgct gaaccaagat tagaaaaatc      360
ttccactctt gacattttca tgttcttagt ttttccaatc aagtgatcag ctgtgataaa      420
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aaccagattt	tgacctgccg	ctcggtgaga	ttgagaacct	gggccacctc	ataccgacgg	420
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<210> 614  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 614	ttctaaaaca	tttttattgt	aaaaagttca	agaagccatt	tacaagccaa	60
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gatctttata	ggaattttta	ataaataatc	taaaaatcaa	tgctactgat	tgcaaaatag	180
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tc						422

<210> 615  
 <211> 461  
 <212> DNA  
 <213> Homo sapiens

<400> 615	tccatgaagc	ggaaaagcga	gccgcggtcg	agctggggccg	ccgccccccc	60
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<210> 616  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

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ccagcacgtg	ggaaactgag	gcagaaagat	tgcttgagct	taggaatttg	agacaggcct	360
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<210> 617  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 617	caaagaactg	attgcacagt	atacagaaat	cctgttatac	tttactactt	aagggtggagt	60
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catgacagtg	ctggcccat	ggaaatgtag	ccttttggtg	cgtttaaaca	ctgtcacacc		180

atctatgact	gtcccattgg	tctgaagtgt	agtggcaaac	taagcatcct	ataagacaag	240
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tttaggtatt	gatagtcaga	agcacaaaagc	atcttattatg	cattcaatca	tgtagctaaa	360
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 <212> DNA  
 <213> Homo sapiens

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	atcaagcaga	aacctgaaga	accttgtttt	aagatgagag	tcattttatac	ttggcaggca	180
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	tataaaaagc	atcttaggcca	ttgattctca	cagttggctg	aattattggaa	tcacctagat	300
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 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 619	gtaccaggca	ggggacctat	tttacaactg	gctttgagga	gcttgccatc	tgaacagtct	60
	ttagtagtat	gataattaca	gagacacttc	gtacaataat	caaattccaca	gcctttctcg	120
	ttgcagggtg	cccgttgtaa	atagcaatca	tattttgcag	gtgaattaca	gcgaatacag	180
	gctttgaggc	tttcggtcct	tttc				204

<210> 620  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 620	cgttctcata	ttttatacca	ttttctgtgt	gtacagggtg	tgcaaattaa	gcaatttcaa	60
	taaatattag	aaattttatt	tgcaaataa	aatgagtaa	aatcagctaa	taacgcaata	120
	caataaaatc	atgtgctaaa	cagagctttt	tcccatgaa	cactttttac	cctttccttt	180
	gaacatcctg	acacttccta	aatacaatct	atttcactga	cttgtagaaa	taagcaaaag	240
	atgaaatatt	aactagctgc	aagatactaa	atactttagt	aataagagct	tggagctgtc	300
	aagttgtaat	aaattgaaaa	taacagaaaa	agtgaataac	gctgcaaatt	aatgctcaaa	360
	aatgcagcca	tctgacttgc	aaaatacaca	atcctcccag	cc		402

<210> 621  
 <211> 477  
 <212> DNA  
 <213> Homo sapiens

<400> 621	ttttatttca	tcactataat	tttaatcatt	aggcatatta	atgtcacata	cagtttttaa	60
	aatataaata	tttttaaagc	tgtttttaca	tatgataaca	agaacaccca	gcagatacag	120
	gttgtagagt	taatcatttt	gactgtgtca	gtaataata	cagaatactg	taacggtaag	180
	agaaaaatac	tttttttttt	tttttgagac	tgggtctcgc	tctgtcgccc	aagctggaat	240
	gcagtggcgc	aatcacacct	cactgcagcc	tcaacctcct	gggctcaagg	atcctctagc	300
	ctcagcctcc	tgagtagctg	gaactacatg	catgcaccac	cacactcagc	taattttttt	360
	taaatttatt	tttagtagag	acaggggtctc	actatgttgc	ctaggctagt	cttgaactcc	420
	tggggtcaag	tgatcctcct	gcctcagcct	cccaaagtgc	tgcgattaca	agcgtga	477

<210> 622  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 622  
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 agggatcttt ggggtctacg cttcccatcg cctcagtgtc cggtgcatga ggaaggtgtc 120  
 ctctgaaggc cggggccgga gttgaagtcg gagagggggc agaccgtcca gggtcaggtg 180  
 tggagattca taaaatagcg tttctgggtc acacaagatg gtcattgtctg gcccaggccc 240  
 aggtggctcc tgttgggagg ttgggcccac agcaagggtta cactttggga ggaaggatcc 300  
 gggtaagggg gtacatggag gaagccccac gcccagacct catcaccttt ggggtgcgggg 360  
 ctcgagcatg tgcggcaagg agagccaatt tctccctgag cgcggcattc agaacctgtt 420  
 cctccgg 427

<210> 623  
 <211> 374  
 <212> DNA  
 <213> Homo sapiens

<400> 623  
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 caagaaaaaa aaagtaactg atatagtaaa ggcactcaga aaaacaacag aaacaatatg 120  
 aaagggtgta caagagacag aaagagatga aggatgatga ttagtactca ccttcttcaa 180  
 agctgcagta cggactttcc tctttaggga gagaagatta gaaataaaca ggtaaaaatt 240  
 acattaagaa agggctacta catatatata atggggtaat tatttatata gatctttaag 300  
 aaaaggcaaa ttgagttctt taaacacata cgtgtgagaa tgggacagat ctgcattatc 360  
 taacaggatg gtta 374

<210> 624  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 624  
 ttttggaagg ataatctttt tattttctta aaaccacttt gggagtgcatt ttgtattcaa 60  
 gaggcaatag agaacctcaa caaggctggg gagggtggat aggcaggaat ctggaaggca 120  
 ggataactct tgagaacctg gagagcgtct gtggtttacg gtcagtctca aggcgatgga 180  
 tgggagtcct ggtgtgttta gatttggcat gtttctcgcc ttctaggagg gtgccgttaa 240  
 gtcagtggcc agagcccaat cccatggcac ctgctcagga ccatgaatga agaccttgct 300  
 ctggggcatc caggctctgtg tgaaggagca acaggagcct gtgggcaggc agatgtcttg 360  
 ggaggggaga tgtttggagc caagtctaga gaagcttctc act 403

<210> 625  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 625  
 ttcagcttca atgaattttt aattttgttc aatcttgcatt ttgttcaacc aaaaacaatt 60  
 taaagaggaa cacgacaatc agccttagat tgagcaagtt cagctcctca ctagggagtt 120  
 cttgaatcca ccatgaaaat caacagtgtg catctaacag ttttctttta atttgagaac 180  
 tgaaaagtga atcatcacat caaatattct tcagggtctc tttggtttcc agattaaaca 240  
 tgtaatgtga cggatcatctt gccacattct cacatttcca ttttaaataa tcataaataa 300  
 gaaaacctta ctattctttg gcataacaca gctgattgat tccgctgagt ttcaaagtct 360  
 tagaaattgc actcattcct tcttttagagt cctgcttcat ggcaaaagtt ttcagctgaa 420  
 ag 422



<210> 626  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<400> 626  
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 gtgaagagcg tgtggtgaac tgtaaataat gactatcaca tttagtcttc ctacaatcca 120  
 gtgaggagta gtcacttgct cgaggtcacc cagcgctggc aactgctgga gctgggattt 180  
 gaaccagct agcagtgtcc atgctacaag agtggggcca gccttggcac aggagggtga 240  
 ttgctgcagc cagtgtttct agagttccag atatgaagt gtctcatgtt ctccttggga 300  
 ggaggccctt ggcttcccga agtgctggga ttacaggtgt gagccacagc actcagccac 360  
 cagagctttt ttcaaaccgg ag 382

<210> 627  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 627  
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 taactgagac attttgtcaa ggctaaaaaa aagtcttgca aaatggggca gtggactgac 120  
 aggctgacat agaaaataaa ctttgcccaa tcacaacttg tgctcccat ccctggagta 180  
 ctgactggca ccggtgaagac agaattctct tgaatccatt actccatgcc cccttgaggc 240  
 actgttgaag aaattctact tttcagccag ggtactgggt ctggtacata tggatcataa 300  
 gtccatttgg ggaagactcg tttatacagg ttcatcagta ctgtgtcttg agatttttagc 360  
 ttcccatcaa agctgcattt catgtggcca tgggtaccta aaggttcctt gatatgtcct 420  
 ctccggcccc acttcgttct cagttccacg gtttaaccac agcacatcct ctctgttgaa 480  
 gaacatgtaa cgtactac 498

<210> 628  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 628  
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 aaaatcaaac agtttcttaa acaacagaga gcataatccc aatctctccc catgaaaagc 120  
 ctacttcata actgaagtac cttaaagccca tgaactgcat tactagaaga aaggagggaa 180  
 aaagacattt actaaacttc cacaggaaga ctgtataaat ctggaagtgg ttaagtacac 240  
 atcagcctgt atccaagaat actactcagt ctcaaaaatt aactgaaaat ctaaacttaa 300  
 tatggatact tctttgttct tggtaaggct cagaaaatta ccatctattt aagtacgcat 360  
 ggtactagtt acatgtcaac tgatataata aaaaagggtga agtggacaat cagtatttca 420  
 aac 423

<210> 629  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<400> 629  
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 catcttcata attgaacgaa caggggggtct cgcctcggga ctcgagcag tgagaggccg 120  
 cactgctgga ctggtgactg tttggggcca ggaactgcc agttgctaag gccacttctg 180  
 catccaagca taacccttgg tttacacttg actggggtaa ggtggcacca gtggtcaggt 240  
 ctaaatttga aactgattgg gtagagttca gaagtagtcc ctgatttaac caagaaggtc 300  
 ctgtggagat atctgtgata taaccttcta aagcctttgc accagggatt tcgcaagttt 360

cagatcctcc agagagcatt tgcctgactc caggccaaac gacattccca tcgcttttagt 420  
acttctatgt catcatggat ctcaaagggtg ttgtcaaaat tgaaaagata ctcaaacttg 480  
tcactggaga tgctgca 497

<210> 630  
<211> 407  
<212> DNA  
<213> Homo sapiens

<400> 630  
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acggtgytta acttacaggc agraaccaaa gtagscattt awtgcgtag atatcgata 120  
caagacatac acygggggaga atgcttcacc atctgamgmt cacaccacaa yggcccagtg 180  
gacagctgtg cactctgctc gtgcttamgy gccycggyst ggcyhgggg acggcgtgtc 240  
ygmagaacag aagaacagct gtgtttcaca mgtactgacg cattttcgac tgcayccggg 300  
gggtatatat tttyhcsygc mcgggrcghg gggaaatcag caaagtcctt cccacagagc 360  
attmaggctgc ctygcagaga gccacggcag agamgcggac ttctcct 407

<210> 631  
<211> 481  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 631  
tttttttttaa tttttaaaat atttaataca tttttgttct acaaagaatg agcattttctt 60  
aaatattaca aacagtgaag caaatatact agcttacaga tatgtacaat ttatgacttt 120  
atacttcaaa aatgcaggaa gataaattat atatttnata tacatgtaat tttagataga 180  
atgaacaatt caatattgct ctttgtgttg tcttgctgca ttgtatgcat gcccatggct 240  
tgtcgtgga tggaggaggg gctcatgggg ataganggga agtcatggag ccccatgctc 300  
atgcccagag cgccatcttc aaagncaata ttttaattaaa tattaactta ttctgcctgg 360  
ggtaaaaaac tgctatgcc atatgccaat gtaggggtgtg ttttcaagga nccacagcta 420  
ccatatttgg gggtgggaaa cgtacaatgc cttaaaaaat ctattcngtg gtactaactc 480  
c 481

<210> 632  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 632  
ntgantggaa ggagtaaaac tctttattca tagaacacat gactgttgat gtaatttaca 60  
aaaacaccat gagaactcac agtttagcaa ggctgaagga tacaagttca acatcaattg 120  
tatttctatt tactagcaac aagtggtag aatttgaaat tttaaaatac catttagcat 180  
caaaactatg aaatgctgac atggtagacc tgtacactga aaactacaaa agattattaa 240  
gagaaataga agacaaaaca ttaataccta ggggnagacag accttgttta tagggccaga 300  
aggacttcaa tattattaag gntgggtcaat tctcccaaca gttttattat aaattccaat 360  
ggcaattctc aattcagggg gccccacggg gggttttttg tgggtggtggt tgtag 415

<210> 633  
<211> 371  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 633  
 gnaaacattt attttcaaaa agattgaaca ctaagctatc aaattctgct ctacagaaat 60  
 gcatatggga taatcttatt ccttaccatc ttgttacaaa taaatnctaa acatttncta 120  
 aagatattca aactgagtta ctacagacga gtgcctatca agtgaagact ctgtatagag 180  
 gaagtcaggg anttagggct gggcacgggtg ggctcatgac tgtaatccca ggcgttttgg 240  
 ggagggatcg cttgaggccc aaaagggtttc agaccggccg gggggcaaca cagtgagggc 300  
 cccatggcct ctattaaaaa aaaaantaat tcgggggntt ccccttaca atngggggcc 360  
 ccgnaatta c 371

<210> 634  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 634  
 aagatatatg tatatatata tttnaaaata gtatgttttt attgcaaaat attcattagt 60  
 gtcatcatat catagccaga tctacaaccc cagagtaatt cccatgggta tggtacatgg 120  
 caaaaaggac tctgcattgt aattaagttt attaatacagc tgacttttagc attgggagat 180  
 tattctggat tgcccaagca cttaagaata ggagaaaccg gagagatgca gcagcaatag 240  
 tcagtggntt caaatatgaa agggatttca cataactattg ttgggcttta aagataggaa 300  
 gtcgtggggg gcaagggaaa ctctctnaag ggaaantaat cngggcaaca acctaaataa 360  
 ttcccagaaa angggttctt tttccagagg tccaggacag agccngtggg gttctttccn 420  
 t 421

<210> 635  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 635  
 atttttaaact atgtttatta ttttaagtttt tatcacagtg gagattaact tatgtttaat 60  
 catccaatca gtgcctactg tcaacttaat caaattccaa aaaagtaaaa tcaactcatt 120  
 catacactct aagtcctctt actatcccac cattcattgc ctgtgtcttt tttccctttt 180  
 aacggcaaca tcgtaataag attgtgaaaa ggtataacta ataagtttct atgtatgtat 240  
 aataccattt cttcaagtat tcagagagca gtacatttgt ctgcattgta cattagaaaa 300  
 ctacttgtga cattatttct aagtgcagga gagcagctcc tgggtgggga gagtaatgaa 360  
 gttggtttgt catagtggta tggcccaagg gatttaccag cactcnaaga atttttcaca 420  
 actctttcca tggtaagtg aatgacatta gg 452

<210> 636  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 636  
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gcaatgaggg tgctacaata ataaagggtga gtgttggcag tggcttgacc agagcagaag 120  
tgggaaatgaa acagttggat tctgtttggt ttcaaagaag agtcataga acttactgat 180  
ggnttggttat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240  
tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300  
tctgtttgaa gcctattaaa gtttgaagtg catattaatt ggactttcaa gttgagatgt 360  
caagtaagta gcagggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420  
ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480  
cgccngatth tcntcctcca cgtccatctt cctcagagtc catcaggggc cnccagnact 540  
ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579

<210> 637  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 637  
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ataacaattt cctttaagag agggattcct gaatgattaa actgccaagg aaaaagagt 120  
gaattcttcc ttttaataaa ggtgacctag gtcctgagga agttaggaaa aaagaaaaac 180  
tcacattata cttgttaaat ttgttttcaa atgtgattat taagttgttg tatttatttt 240  
ttgttataga caaagcaaac ccaaaaacta gtctaaaaaa gaattccnat gcattattaa 300  
aagagatagt aataaaatat gtattgggtg tgaagaattc cacaagcact caagattggn 360  
cataaccttt 370

<210> 638  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 638  
cacaaatcta gtttttattt agaagataag attcagatag cccatataaa aactgctggt 60  
agataaagct ttcaaagtac atgaataatg agtttgtaat gcaaataatt attttcattt 120  
cccagtgctt gtcagatata acaaataaat gtattgggta gcaaatacaa atgtgaatac 180  
cataacttat actcaaatat gattatgata ccagagcaag gaggttcagt gcataaacca 240  
gccaacgatt atgtctcaca aatcaacagc aatatgtaat cagatggacc caggtctcaa 300  
tcatctctgc tcatgggaaa caaggtaaca cacccatagg taccctccag tcttttataa 360  
atcagtagtt ccacctcttc tcttatccaa agcctttcac cagagtgtgt gggaaaggac 420  
aggatggact aactgggaag ccctc 445

<210> 639  
<211> 375  
<212> DNA  
<213> Homo sapiens

<400> 639  
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atgtaatact acatactctg tgtctccata attttactgc ataaaggaaa atcttccaaa 120  
ggaaaaaatc attaaaccca acagcttaca gggatctaaa tgcttaatac aaaatcaatg 180  
gctaacctac agtagatcaa cactctagtt cagcactgtc caatagaaat ataatgcaag 240  
ctgcaaatgt aagccacata atgtaattta aatttttcta gtagccacat ttaaaaagta 300  
aaaagtaggc agtgtacagt gggcttatgc ctgtcatcac aacactttgg gaggtgagg 360

tgaggagatg gcctc

375

<210> 640  
<211> 371  
<212> DNA  
<213> Homo sapiens

<400> 640  
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aaataaccgta cacaaaaatt gaagtaaaat ctgtaagatg ccattcagac tgaattttat 120  
attctgaata agacaaggga ctgccattca cttaaagcaa aatgggtcca attccgttta 180  
tctatctatc tatctatcta tctatctatc catctatcta tctatctatc tataagtctc 240  
gctctgtcac ccaggctgga gtatctatct atttatttat gagataagtc tcgctctgtc 300  
accaggctg gagtgcggtg gtgcaatctc cggctcactg caacctctgg cctcccacgt 360  
tcaagtggat g 371

<210> 641  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 641  
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gaaaccacta ggtcgagagc aagaactctc ccccaaagtg gagagaatat ttctccctac 120  
cctgggctgc ggatccctgg aaatggggct tcttccctcc acatgttctg ctggcacaag 180  
tccccttggg cgggctgggc tgaagtgggc aggggtgggc ccctttcacc caccagaaa 240  
catgggttca cttgaacgtc aggtcttagg atcttcgagg ggggtcccag tncgctttnt 300  
gacctggggc cagcaagagc acttccctgac aaccct 336

<210> 642  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 642  
cttgtctttg agttttatta ggaaggggag tccgtcgtgg tgtgagacgt tagaccggaa 60  
ggctgggctt gctaaataaa atccgcggtc tggcacctct ggagagggca gaggctcctc 120  
agaagagctg gcctgaggaa gaagcccttt gccccctccc cttctataag ttagtgtcat 180  
ttggctctgg gaacgctggg gcc 203

<210> 643  
<211> 401  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 643  
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tttggttagc acacattcac aagacaattt acgccctctc cccacgaatg cggcganaag 120  
ctggatgtcc ttgggcatga tagtcactcg cttggcgtga atggcgcata ggttgggtgc 180  
ctcaaacagc cccaccaggt aggcctcgca ggctnnctgc agcgccatca ccgccgagct 240  
ctgaaaacgc agatcagtct tgaagtccctg cgcgatctca cggactagac gctggaatgg 300  
cagtttgcca atcagcagct cggctcgactt tctgggtagc ggcggatctc gcgcagagcc 360  
accgtgccgg gccgggttaac gtgggggctt cttcacgct t 401

<210> 644  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 644  
 gcaacattta ttgaaactta tattagtcaa gcaacttaat gctaggctaa gctgcagtga 60  
 gtaataatcc ctaacctcag tgacagtgc gaaaaagaag ggtttcatat ctggagtgtg 120  
 atgcagggtca atgggagttt ccttcacctg gtgactcagg tatccaggca cattcatttc 180  
 tgcagggtctg ccttcttgac atgaggtcac tgcagaagga gagagggnt agagtcatgc 240  
 cagttccttag ggtgctccct gacaaggaga tcctgcagca ctctgcttca cattcctgtt 300  
 tttccagaac tcagcccagt acccccacca naacttccca aagagtcttg ggggaagcata 360  
 ggaggagggt caccagatag gcctnggaga tcccctcatc actttttg 408

<210> 645  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 645  
 aattattact ttttattaat ttagagcatt tgaagtataa aaataaaagg cttttgacat 60  
 actgtatata catacatagc cttctgttgt acatcctttc caacgtgttt tttaaaattt 120  
 atattttcagt ccaatattca ataaaagggt cattaataaac aaaacaaaat tgtgaaaaaa 180  
 aagaaataag aatgtgtctc tgttgacaaa ctgcattcta tccttgacagg taatattcct 240  
 acatccaatg agagcgctgc ctgcatagag gtcatgaaat tgaaccttta acctctccat 300  
 gtggatcaga tagaaaagga tttctgaaga gtgcatttgc cagtttaaaa gcaacact 358

<210> 646  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<400> 646  
 tttattacat ttaattttta ataattagta atatgtaata attcatgctt agaatatcat 60  
 tggccagggt ggaaacagac ccagggtgcac tgctggattg ctgagttcga gaataagcac 120  
 caggctccca tcccgggtgga gtccttgctg ctggatgtgg gtcttgctgg tcaaatgaat 180  
 ggagacccgg agcacaggca gccgaggatt gggcagtcac cgggatggcg gctcatctgc 240  
 aaatagccag tgcacacctc caggcaacag gatgacgagt ctctgcagtg tgccctgaga 300  
 ccctgcagct aagtcctgag atggaaaagc caagcttgca ggctcttcca tggaccactg 360  
 aaatagaaag tctggggata agggcccaga ggtcttcatt ttttcggaaa cactccagca 420  
 gatttttatg cagttccatt ctggatg 447

<210> 647  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 647  
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 cagtgatctg atgctttcac tcctggttct gatatttgat tttttgaaca gccttcttga 180  
 aaatgaccta cacatgaaaa agtaaattat tggatccagg caaacattac acgcagacaa 240

gaaaagtgtg	atttctttgc	agtaatatag	gattttttgt	gcagattcat	ctaaaagcct	300
gtcctaagtg	actaaaagta	aaaggaattc	tgcacaagtg	atacggtaga	aagcaggtaa	360
aaaacacagc	cacaacaacc	ctgatgctct	ggttatgttt	tcgctttcgg	cttgactgac	420
ttatgaattg	cctgcngg					438

<210> 648  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 648	ttgagtgaat	gaatgaaaat	tattttatatt	ttatttgagc	tttggttctg	ccatttgcta	60
	gcagtgtgac	tcaagagaag	ccagtaaccc	ccctgagctt	ccctagttca	caaaatgctt	120
	gtcatgaagt	cgacagcttc	cggagctgcg	aggctcnaag	aaatgcccac	atgaatgtgc	180
	gcttagggcg	tgagtgtctca	ctccagaaaa	ctccaacaca	gtgaaaatgg	cagaagcggg	240
	gtttttcttt	tttacatttt	tataagaata	tataaaaaat	gatataaatg	gacatttacg	300
	gtagtggggg	aaggcatata	tctacgttaa	aaggcaggac	atttttaaaa	gctctatttt	360
	ctaaatgaaa	actacgaaaag	cgggggtgggt	tgtggcgggg	gcagttgtgg		410

<210> 649  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 649	ggctgctgct	ccttgctggc	gggctgcccc	tgcgcgctcc	tgaccctctg	cagtctctcc	60
	aggtgcagcg	tcctcagatc	aggctgggtc	gggccacgct	gtccctggg	aggctgctct	120
	gtctgcgcag	gggtaggggg	cactggctgg	agaggggctg	ggcaccgggc	cctgctgggg	180
	gtcccagggc	tgctcggggt	cgcgggggccc	tcttgctcac	agtgatgaac	ctcctcttcc	240
	cttccccgga	actgtcgtgc	ctcagcccgt	gtcctcggc	tatttggtgg	accgcagacc	300
	tgctcgtggga	attgagggaa	ggaggaaaact	ccaacttgca	tcttcttgct	ggccatgaac	360
	ttccactatc	atgggcccgg	aagtgggtcca	cgccaatctt	ggctctccac	ttcctctggg	420
	gcttgctctcc	gttgaagctt	ggggctgaga	tggancttc			459

<210> 650  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 650	cttggctggt	tctttgttct	gtcccccatg	ctctgatgca	gtgccctctt	cattttcatc	60
	ttcaccatcc	tctcgaagaa	ccatgtctag	gatgtttcct	ttgatcttga	agtctcgtga	120
	ggtgctgagc	ttcatgtgct	gcacaggtt	caccttgagc	ttcttagaaa	ggtggatgag	180
	aaatttttca	tactgttcta	tggcaaagat	gaggttaggg	attggcttgg	tttcccgaag	240
	aactctggcc	atggctgtgg	caacggcagc	aggtttctcc	tttttctctc	ccgtatagtt	300
	caggctctta	ctcttattct	gtacgtaaga	aatgaaag			338

<210> 651  
 <211> 478  
 <212> DNA  
 <213> Homo sapiens

<400> 651  
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 taagtttttg aagttctttt tctttctcct ttaattcttg ttcagtttga gggagttttc 180  
 cttctatata tctgattgca gctttccttt ctttgagagt ctcagaagct gcaattagag 240  
 cttccttagc cttagttaat tgagacactg cagtattatg acgactgaga tagatatcaa 300  
 gttctgactg ggctacatcc atctttgaac gtgcttcatt taccgatttg ctgaaaccca 360  
 taagttcttt ctctcgactc tgttaaaata tgagttcatt aaatctggac agatatttac 420  
 tttcaaacct aactgaaat gaaaccatac attttatatt cgatttaaga aaggagat 478

<210> 652  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 652  
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 acttgaagag ataagcccct gggatccaag tcccagcaag gttggtgccca cccatcttggt 120  
 tgaaagatgc tgttggttct gtggaaacca tcaccagagg taggaagggc tttgagccca 180  
 aaaggaaaca agagggcgtg aatccaggcc atcctcaggg gaggggtggga gcccatccca 240  
 ggcagagagg cctaagcctc agtgtggggc aaggctcaaa ggtgctggca caaggcttcc 300  
 cagggggaga atcagaaact cagcagtga agtccgcaga agggggaaga agcaggctga 360  
 t 361

<210> 653  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<400> 653  
 agagattttc agaaataatt ttattttacag aaaattcaca gaggattaat aaaatgtcat 60  
 gaatacaatt ttgttggtaa taattagcag aatcaagagt agattaatat ataaggtaac 120  
 atgatataat aataatacaa actaaaatat caattttatg ctagctttat ccattagttt 180  
 ttcataattcc aatttttaaac aaatctagaa ataagacagt atatatgaaa caaatttgct 240  
 aaatattttt aaattatgcc acctcagata ttacctcaat tttaaaacca tctgtaaatt 300  
 aaatgacctt cccattataa tttctaaata taaagaagca ccagctggaa ctcaaaatgc 360  
 ataaaagata ttgttatata ttttaagaaa atattatatt agcaatatc 409

<210> 654  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 654  
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 ttttcattta aatggatgat ttaaaactaa gaagttttca agaatttcag actacaataa 120  
 aaaaattcag atttaaatec tgctttccat agcttcaatc cttaaaccaag agagtttcag 180  
 gaattttaga taaagcaaag ataaattaaa ataaaccgtt acaacaacct agccatataa 240  
 aaaggcagt accagataga aagagaagcc tttccgtgga tattttctcc accaattgca 300  
 tacggtaaat tttcctaagg taattacttt ttgcaaaacc aatccaaatg aagacaggag 360  
 ggaaattctc gccttaagct tccccatatt gagtttaggg ccatgatttc caaatttgtgt 420  
 aacaaaggag cttcttctga ggggtgatcg gaccaacagg ggccatgaga atcattcaag 480  
 gacaaagcca cttgcttcca aagagctgcn accatgatag cctggtttct ggattccaac 540



cgaggattgg caatgtatgc agtaattttt aaaacctgga aaacatttc

589

<210> 655  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 655  
catttttaaaa aaaggaaaaa gttttattac gaaactagtt tgtataaaac aggggttatac 60  
atatttttgt aagtttgtaa taaaacagta agaaaaaaa ggcagtaata gaaatctcca 120  
aaaggcaacc tatcaaaacc aactggctgc cactttgagt ttngncagta gctgcataaa 180  
ctttgttctt cttgaacagt atttaataac atcattaata cattancaac atttctataa 240  
agtaagacac attggtgctg aagtacaact ggtggcctct tgatctcacc tatgaggaga 300  
gttctttaca aaaccacata gggaaaattg cagttgtaag g 341

<210> 656  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 656  
caagacatgg gaccctgaag tgctttatta tcaggactta ttggaagggg ttcccagttg 60  
cttccaggca ggtgagttga tttgggggtc cagttcttca aatctgtgag gctttttctt 120  
tctaattgtc gagtcccctg aggagaaaaa aatcaaattg gagcccacaa gttcaggtct 180  
ttcttgtaaa tcaggcagtt tttagtagac ttcccaatag gcttcc 226

<210> 657  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 657  
aaaaactaaa ccgcctgggg ctgatcgtcc cagagcccgg cagttaggac catgcgggaa 60  
gtgtcctggg gcatatagtc atactgatga ggtgaaagat acacctcgga accaagggcc 120  
accctctact ttttaaggaca atggcgccgg gaccaagaaa ctacacttcc cagaaaaccg 180  
tgc 183

<210> 658  
<211> 371  
<212> DNA  
<213> Homo sapiens

<400> 658  
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tgtcagtaga tccattaaaa tatagaatat ttaagaaaga tcattaataa aagtaatggg 120  
cattcaattt aatgttacag tttacagcgt tttactgcta gtgttttaag tcagcatgag 180  
cagtatcaaa gtacttatgt agctagtttc taaaacttta cagaaaaccc agtacaattc 240  
caagtgctta tagccaatat aagcatattt catattagaa atagttatcc atatgttaac 300  
aagaaactat ggtcctcaaa tatgccaatt ttagagtcta ataactactg atagtaacta 360  
tgtaaatatt t 371

<210> 659  
<211> 335  
<212> DNA  
<213> Homo sapiens

<400> 659  
tttgtaacag aaaaaaatat atatatttca aaggtaacta gttttgtttt actcaaacta 60  
tttacaacaa ggggcagagt agagacatga atagctgcac aagttatttt aattataaat 120

taataaaagc	ctacattaa	ttcatcttat	taactactta	tgagagtgt	taaaaactga	180
tgaagccaac	attatgttgg	acttctgata	cttccattcg	cttcaacttt	tctttcttaa	240
tagaaaaatt	aacagatggc	aagccattta	caaaaagaca	tgtaatgttg	ttaatcaggt	300
tgacattttg	aacatcttcc	tcttcagttc	agctg			335

<210> 660  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<400> 660	cttcccaaac	aaaaatagat	gggtcactcc	ctagaagatc	tctggcaggt	tcagtctgag	60
	atctctggga	gtcaggagcg	ctgctctcat	ccccaatcag	ggcctcatag	aaagctcggg	120
	ctgcagccgc	atccaggggtg	gactctggct	tctcgggctg	tggctgctgc	tgcccatcct	180
	tccagaggtc	gctgggggtca	gtggctgggg	tgaaggtgat	gagcaagggc	cgggacatgg	240
	cttttgggag	aactgagaaa	atgataccag	gcaaggggaag	gatgagacaa	gtaagccaag	300
	ctcgtggtga	ccctgtagca	accacagcct	cagagaccag	taggaaaaaa	aatcagcct	360
	ggccctttta	gtcttccgcg	atcccatttc	ggagtttcct	cttcccaaac	aaaaatagat	420
	gggtcactcc	ctagaagatc	tcggggagag	tctctatacg	tggt		464

<210> 661  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 661	tttttaaaata	catgccaaag	cgtttattta	actcattaat	taatgagggga	attggtagat	60
	attacaatga	attcaaaagc	aaattgggag	tgtcacacat	ttttagtcaa	atatggaatg	120
	ctgaaatgaa	tttacaaaag	gatacaaagg	tggtcactat	ctgctggaaa	aaaaatcagt	180
	ttcattccat	tagatccaat	ttgcatttcc	atggataata	attatgttga	ttcctatcag	240
	ttttctataa	cttcatttct	atcgtatggg	gttgtaaaat	aacctagtca	aagatacggg	300
	gagagctggg	cacagtgatg	tcctcctgta	gccccagcta	ctcaggaggc	taaagcagga	360
	aaactgcttg	agcccaggag	ttcaagacca	gcccaggcaa	aagagcaaga	ctgccatctt	420
	aaaag						425

<210> 662  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 662	ttttttctta	agacacattt	attatctcac	agtttctgta	gaccaggagt	ctacgcacag	60
	tttatctggt	ttctttgctc	agggctctcac	aaaactgcta	tcaagggtta	agtcaggctg	120
	tcttctcatc	tggaggccac	ctctcagggt	gttggcagaa	ttcatttcct	tgtggttggtg	180
	tgactgaggg	ccctggcttc	ttactgggtg	tcagctgcag	gctgcgctca	agttctagaa	240
	gccgtctgca	gttcc					255

<210> 663  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 663	tttacaaaaa	tattttcatt	taataaacgt	ctttgcatgt	cacatttaat	gggaaacaaa	60
	atatcatggt	aatagcctag	taatacaatt	ttattaaagt	cagtataagt	tgaaaagtgtt	120
	atcagtgtta	ataagaatga	aaaatatgta	caatatgcaa	ttactattaa	atacaatttg	180
	cccatagttg	cacattgaat	tcattatcac	ggcagttaaa	tatcagagct	tctggtttct	240
	cactcttcat	tcatgtattc	agcaaccatg	tgctaaggta	ctaggacaag	cactggaatt	300

accagataaa gatgatatgg tccacccctc aacaactggt tgctataa

348

<210> 664  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 664  
ggcagacact tccatttaaat gactaaaaat cacacatctc aggtcacggg tctaggagaa 60  
aacacacaca cacacacaca cacacacaca cacacacacg gattccccat caaggggaca 120  
tttgcagttt ccaaaccttg aagatactga agggaccaga aagttccttt gagtggctgg 180  
tcacccaaag ctcccgttcc tccacccact gccctttgga gggactcaaa ccttgggagg 240  
agaaggctga gcttcctgtg ggcccctccc acccacacct gagccagaga gaagactgca 300  
gcaaagacat ccaaagccaa cgcaatggga agcgtccgag atggcagagg agccagccct 360  
gtccttggct caccagctt ccaccataca ggaaccaag accccagcct tgcttcaca 420  
gagaactggc aggggtcccc tggcct 446

<210> 665  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 665  
acagaaaacg aaggcgacta ttttattaga aaacaaaggc tatatgttaa tccatcacca 60  
gatacgacaa tgcttaccaa agaactgtaa aaaattgggtc taaaaacaga aaaaagcaca 120  
acgacagacg catggtatag cacacctcta ggaagcctgc agccctcact ggaaataaac 180  
acataccacac acacacatat gtacaggttt cataagcaaa gatgtctaaa acagattgta 240  
agagaaagat aaacactcct acatgtatat gtgtgcacat tttccttaaa aacacataac 300  
atgcttttcc ttcattttac tcagctctga gaaattcccg atacaaaact attccatgcc 360  
tcatactaca gataggatat cataaagcaa aagtctacat tttcctagga gctgt 415

<210> 666  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 666  
agattttgct acacctttta ttatttttaa tatagatcaa tgaattacat caaaactaca 60  
agcaacaatt agtataaata atactttaat cagtggcagc aaaacattgg tcaattctat 120  
taaaaaagca tctcgtgtga acagacatca tgggctgact gacagtgtca tctcccaaca 180  
aaaggctgcg atggacaaag tgagatggga gtcagaggag caatgtcctc agcaaacact 240  
tcaactctccc cctccccag tcaggacccc aacacggttt ttgtttttgt ttttaaaaca 300  
ccaacacaaa cacttctggc tcatatttaa aggaacaaac tggaaacaaa taatagcaaa 360  
tgggcattgg agctttttcca cacctagctt tctccaaagc acgtttctcag 410

<210> 667  
<211> 526  
<212> DNA  
<213> Homo sapiens

<400> 667  
ttttttttta catggaaata ttccatggga tttattttta acaaacattt acataaacia 60  
taaataaaaa aaaaacaggt ttaaagttag cagattcata tttacagtgt gatttttaag 120  
gactgtctat atccaaattt tattttcgtg aacgcttaca ttctaagagc agtacaatta 180  
gcctattacg tagggcccta atcttgtag tatagtgttg ttgaaatact ttcttcagct 240  
tttgccttaa caaatccaaa gatggaagat gatgacaatc tggaaatatt aacataacat 300  
gaaaaaattc attccacata tccaaatgag gaagccttct aaaaagacct tcaggcttac 360  
actctctccc ttcatttttc actttcatgt aagtgccaaa gagcatgcaa tatactgttg 420

cagcaacccc aaagtaatcg atctggtagt tccatggttt gttgctgagc atctcaacac 480  
actgaaaacc agatgtttca cactttgctg tgaatatagt tccttt 526

<210> 668  
<211> 454  
<212> DNA  
<213> Homo sapiens

<400> 668  
tttttttttg gtattataaa gacattttatt taatctatga aaataatgta caataaatac 60  
tttccccttt tcctattatt aaagaatttt aataaataat ctacagtcta aaacataaaa 120  
aagaggaaaa taggtccctc tagttatttt taagaaagtc cccctagagt ttaattattc 180  
ctgagatttc attggaagga gtctaccaa cggaattttt ctgtgtgaat tttaaaagat 240  
aaccgagtgc ccaatatttt agaagaagaa gaaagggagt ggattaaacg ctaattcagt 300  
aatacctgaa ttttagcaaa acacataagt ctatgcgact gaggggtggga gaggctcgat 360  
ttttccagta gacggccaag gagcgcgggg gtcgaaagga ccgggaggag gaaacagggt 420  
agggaaactt caggtcgatg gcacagagcg tact 454

<210> 669  
<211> 361  
<212> DNA  
<213> Homo sapiens

<400> 669  
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ggaaagaaca tggttaaatc acagaaaatg aagaaaggga gaagctgatc atgatcttgt 120  
acaacattat gacagcacta aggtattacg tatccaatac aaggatactt aatagaccaa 180  
agaatttaaa atcccaggga actggaataa ccagccacaa aagaggcctc tctttgttgt 240  
ggttcacaac acaaaaggcc atcaacaaat taggaaatat taaaattaag agagcagcag 300  
gtttcttctt ggtagacagc tcatgctacc atccacaaag tgagcagtgg aaggggtatt 360  
t 361

<210> 670  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 670  
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tttctaacc ccagtacttc cattttccca gtgttgctac ttaggtcaaa taatatgttt 120  
ttcttctttt ctgttacctt ctggactaca aacaaaccat tcacaattgt tccaaggggc 180  
tgagtttgaa gcgtgttgat cttcgggggt tcaccagctt ttcttcttgg gtctcaaacg 240  
tgaagggctt ctttgctttc agtaccataa ctggcaaaca gcgcttctga aacccttctc 300  
tgatagattc ctgctgggcc accatctgtt tctgttcagg cttaacatga ggagagactt 360  
ttggtgcagc acgttgcttt g 381

<210> 671  
<211> 395  
<212> DNA  
<213> Homo sapiens

<400> 671  
ttttttctgg tacccaaagt gtcctttatt ctttatcatc ctatttgagt tttattgttt 60  
ttacacagct gggaaatgct taaggtaaa attaataaat tttaaactca gtatggaaaa 120  
tacatttaat aaattaaagc aaaaaccaa gatctgagga gatccaagag atcaagacaa 180  
tctgtaacca gagtctgaag tatccaagga gctactcttt ttgaggcata ttctcctcag 240  
cttccagtta tcatttgata aacacatcag caaaagggtc agtggttttaa acaaatgtag 300  
actttatttt gtactgtaca aagtgtctaat gtcagtagat ccattaaaat atagaatatt 360

taagaaagat cattaataaa agtaatggtc attca

395

<210> 672  
<211> 436  
<212> DNA  
<213> Homo sapiens

<400> 672  
ttttgggaag agtgattaag aaacttttatt acagaaaatg aatgcatcca acgtccccaa 60  
atacatttgt gacaagaaca gacacacaca ggagacacag acaatagtca ctacatcaca 120  
gccttgttct ttccgaagat aaaatgtcat tcaagaatgg ggtgaggtgg ttagagggag 180  
taggtactat cctttttaa atgggggaaaa aaaaaaaaag caacaggttg gcatcttaag 240  
aacacagaca gtggggccag aaatcaagct aagcctaagc cttaggtaac atcatgccac 300  
ttacatcatc tcagagaaac tagggcatta ttccactaga agagcaatct tgccacagtg 360  
tgaaaacggt gagtagtgat cttgctgccc cagctaattg accaagtggc ctcaacttga 420  
cagcctcttt aaaact 436

<210> 673  
<211> 510  
<212> DNA  
<213> Homo sapiens

<400> 673  
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aatggcttca gaggtagggg gccgggggaa aacaaaaata aacttggggg gggggcaaga 120  
aaagcaacca ggaggaggta agagctggct gggtccttct cagcctgagt tacgggaggg 180  
agttgctgtc tctgaacagt aaggatggct cccttccttc aacccttgat aaggggaggg 240  
aagaaaaaag aaaaagcaaa aggtctgtgc ttttggtctc ctgagtctca aggaaaaggt 300  
gaaaagctgg tgttttgatg tcatgaatta tgggaaaggg ggagcagggt actgggtagg 360  
gtacagggtca tttggaaaaa ctggcagata ccagatggca gctctgggtg tcctttgagt 420  
tgagttggaa tcaactccagg atgggtgggtg tgggggtccca ctgttgacag gggctgaggt 480  
ctcaggggct gcgggctgcc gggggccagg 510

<210> 674  
<211> 312  
<212> DNA  
<213> Homo sapiens

<400> 674  
tctgtaatcg acttttttatt aagattataa atttaaaca tctgaacagt tttacccggt 60  
gatatacaat tcagtatgca caaaaataca gggtaatgag ggaaaagggc cgagaaagga 120  
aggattggca actcgttttg gagtccacac ggtgctgatg gcagagaacc agaggggctg 180  
cagacgaacc ccaccttttt acaacaaaag gctttttaat taaacaaatc tatcgagctg 240  
aagacacagg acgggggttct cacaggctcg aacaatgctg gtttcatgaa atgcaaccga 300  
aggctgaacc aa 312

<210> 675  
<211> 336  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 675  
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cgaggggaaa gcaggggtgtc ggcagcaaga tggctccggg ggtttagaca ctgctggctt 240  
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 <211> 251  
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 <213> Homo sapiens

<400> 676  
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 tgttttatatt cccgctttta ttttgctttt gaaatctttt tccttgggtgg atttgtacgt 180  
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<210> 677  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 677  
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 caactaatat catatttgtg ttttgcataa aacatgcatt aatatgttgg ccaaaatcag 180  
 tctctacaag aagagacagt ccaatacagt caataagaca nctagtgttg ancaacagggt 240  
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<210> 678  
 <211> 505  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 678  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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<210> 680
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<212> DNA
<213> Homo sapiens

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<220>
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tggaggcctt tgtcccat tggattggga gggcttgggg atccaataaa ccacctgttn 540
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<210> 681
<211> 349
<212> DNA
<213> Homo sapiens

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<220>
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<223> n=a,t,g or c

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<210> 682
<211> 403
<212> DNA
<213> Homo sapiens

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<400> 682
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aaatacgaca gtaactagaa gattacttga gaaactgtta attgaatgag acagtctgga 180

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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[illegible]

382

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 <212> DNA  
 <213> Homo sapiens

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 <211> 343  
 <212> DNA  
 <213> Homo sapiens

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 <223> n=a,t,g or c

<400> 707  
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 <211> 2740  
 <212> DNA  
 <213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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 <213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
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	ccacagcccg	aatcagcagc	gtcagggggc	agggaaactg	ggtttgggat	gagaagtggg	240
	tggctctggg	ggcacgtccc	ccagtgcctt	tccagagccc	agggacccac	agagccagag	300
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 <212> DNA  
 <213> Homo sapiens

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	acatctcaca	tacaaatctg	tatttctggc	ttctccagat	ttctgtcatt	aggcctgcat	360
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 <212> DNA  
 <213> Homo sapiens

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	cactgagacc	gtcttcattg	tggagatctc	cctgacatgc	aagaacaggg	tccagaacat	240
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	gccctgggtg	tccactgagg	tgctggctgc	ggcgatcggc	cttgtgatct	actacttggc	540
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 <212> DNA  
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 <211> 409  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<213> Homo sapiens

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<210> 758  
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 <212> DNA  
 <213> Homo sapiens

<400> 758  
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 ggaatcttga cgggtgacctg gaaggcagat ggtaccccca tcaccaggg cgtggagatg 180  
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 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 759  
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 acccaagacg aggctggact tgccgccaa gggatttctt ctggatggca ctggggccgg 180  
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 <212> DNA  
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<210> 761  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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 <211> 408  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 768  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 768  
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 <211> 239  
 <212> DNA  
 <213> Homo sapiens

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 agcttggcca agtctgttat gttcacctga aaaagtctta gcagagaatt tttgcattcc 180  
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 <212> DNA  
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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<213> Homo sapiens
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[illegible]

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<212> DNA  
<213> Homo sapiens

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aactgaaaaa atatgaaacc aaaagta 147

<210> 780  
<211> 269  
<212> DNA  
<213> Homo sapiens

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 <223> n=a,t,g or c

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<400> 815



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1071

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<211> 319  
<212> DNA  
<213> Homo sapiens

<400> 826  
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ctagaaagga gggcgctggc cctgctgggc gcttcggagc cccactgtt tccactcag 120  
ctttgtgctc agatcccagg tcccaaggag tgacaggggc ttctctccac cttctgtcct 180  
tgtccagtca tgtaaataat gtgctatttc tctccccgag tctttttttt taaaacctac 240  
cgtggttcct cagctaactg cattccctac ccaggcagag actgtcctat gcctcgagct 300  
tccaaacgag attcagacc 319

<210> 827  
<211> 1899  
<212> DNA  
<213> Homo sapiens

<400> 827  
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actgccaggc tattacatga atttaaacca gaatccaagg actcttttgc caaaatttta 180  
cggactgtat tgtatgcaat caggaggcat taatatcagg attgtggtga tgaacaacgt 240  
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aagagcatcc cgtaaagaga gagagaaatc caaccccaca tttaaggact tagatttcct 360  
gcaagacatg cacgaagggt tgtattttga tacggaaaca tacaacgcgc ttatgaaaac 420  
acttcagaga gactgccggg tgctagaaag cttcaagatc atggattata gccttctgtt 480  
gggaattcat ttcctggacc attccctcaa agagaaagag gaggagaccc cacaaaatgt 540  
gcctgatgct aagcggactg ggatgcagaa gggtctctac tcaacagcca tggaatctat 600  
ccagggtcca gggaaatctg gagatgggat aatcacagag aaccagaca caatgggagg 660  
cattccagct aaaagccata ggggagaaaa actactttta tttatgggca ttattgacat 720  
tctgcaatca tataggttaa tgaagaagtt agaacattcc tggaaagctc ttgtttatga 780  
tggggacact gtttctgttc atagaccaag cttttatgca gacagatttc ttaagttcat 840  
gaattccaga gttttcaaga aaattcaagc tttgaaggct tcaccgtcta agaaacgggtg 900  
caattcaatc gccgcctaa aggcacttc acaggagatt gtgtcctcaa ttagccagga 960  
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agctgcttcc ttggcaacca caatttcac tcttcctta tacgtcaatg agcactatcc 1140  
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atgtcaactt caggctgatc agcagatggg atgtgaaaaa tactacccta ttctatcatt 1380

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tcattgtgca	tgcatccagt	gattatacat	aagcaacata	tgtaatctgc	ttatatattt	1560
ttaaaaatcc	atccacacac	atggtaaatt	aagtataaat	tcttttgcaa	aattatagtt	1620
catgtcattg	aaagttttaa	ttggtttcat	ttaaagatca	atatactagg	tctgccttca	1680
ctttatagaa	aactagcttc	tataaagatt	ttttcactgt	ttactagtga	aatgagaaaa	1740
gcaaagctat	ttataaaagg	ccttatgtcg	tgtacataca	ttgtctttga	aatatttggt	1800
atctagttta	ttgcttgtaa	aagagaaatt	atataattta	tttagtaaat	actactgtaa	1860
actatagttt	tgtgagagaa	ataaaatatt	ttgttctca			1899

<210> 828  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	828					60
atcttttttt	cgacaaatat	cctttcaaac	agaaagaacc	caaagagaca	cctcaaaatg	
cctgtaaaat	tattgctttt	ctttctctaa	gtcaggcagg	cgaggctacg	gaaaggaaga	120
gatttggtaa	gtaaattaca	gttttgtgat	tgctcccgtc	accgtgactg	catgtccgtg	180
agcgccagca	accgagacaa	tggtctctca	cactctggta	gcattcgctc	aacctacaac	240
actgaggaag	aaagccacac	tgaagacaca	aggaaaacaa	gtcaatccag	tctagagAAC	300
aacattcagg	gaaacagagt	accaacacct	tcttagaaca	tnggaaataa	aaaataactc	360
catcagagct	acctcgccaa	ggagcatgtt	gaaagtccaa	aatagcacca	ttcatcagtg	420
tctcagggtc	tgtggcagca	tctcggtcac	ttaccacaag	gaaacaatga	gt	472

<210> 829  
 <211> 697  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	829					60
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acaaatacga	gaacgggtac	attcaccgag	tcaacctgac	gtggcccttt	atggtggccg	120
ggaaaccgga	gagtgacctg	aaagaagtgg	tgaccgcgag	ccgcttatgt	ggaaccaccg	180
cgtcctgacc	ttggaggtgc	gagtcctgga	aaggcgcgct	cccgggggga	ngcgcnct	240
gggaaggcga	cccctgccct	cagtgtcttc	tgtctctgct	tccccctcgc	aatgctcttc	300
tctctgtccc	accccgcgag	aacactttac	aacgacgagg	agattcgttt	ccaaaccaga	360
ggagatcaat	tgtacttaca	aagattccca	tctattttaac	tttattaact	tctaccgtga	420
atgactctgc	aagccttgct	ggccaagtgc	caatatgtaa	ttataaatat	ataaatagat	480
aagagcctat	caatgtatct	tttgtacaat	atggtgtaaa	atgtagatca	taggatagct	540
gactttgaca	gtcacattta	taaagtaatt	cacttaaaga	tatatatttt	tccaacaagt	600
ttgcactttt	gaaataaacc	ttctttatat	gctaaaaaaa	aaaaaaagat	nggcggantt	660
tccttggggg	gtaattantt	gatgcgcggt	aangcgg			697

<210> 830  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 830  
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 taagatactg gaggaagtaa aaaagttgaa ggccctacat attttagttc acgtttggca 180  
 tttcttggtc tttaccctat ataaggcaag gagaaaaaga catgaaattt aaattacaga 240  
 taaacacaag tgtattagtc cattttcaca ctgctatcaa gaattgccc aagactggata 300  
 atttataaag gaaagaggtt taatttgact cactgttcca catggctggg gaggcctcag 360  
 gaaactttac aatcatggca gacagttgaa ganggaacca aggcattctt cacaaggtgg 420  
 cnagggaagg gagaattgaa cnccaggga gggactnatc caaacnt 468

<210> 831  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 831  
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 ttaacaatca gactactaat tggagtgacg ctaatagcat tgtgtttatt agaaattggg 120  
 caccaagtcg tctttcacca gtgacaacag aaggaacaga aaacctccat ggccaccctt 180  
 cccaccacg ctgctgtgtc aggaagagtc ttgtccaaat cccaccccc tgagaagatg 240  
 aggattgctc tgtggaaaat acactcagca gaccagacac agctcagcgc ccacgtctgt 300  
 tagccttagg cacttggggg aatggttttt tttcccagag aaagaaagcc acttttaaaa 360  
 aagcagtaat caattaattc agaatgaggc aaggcttaac cttctattct 410

<210> 832  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 832  
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 gaattaggat tccccctact tgaagtacaa gtttccaata aacagacaga cagaagcaaa 120  
 accccaaatg agaaagaata cattggtaac ctaaatacata ggcatttggtg ggtatgttca 180  
 tacaatctac ctatttcttt gtaatttact atagcactga tgacaaagca tagacataca 240  
 atgagaaaga gcaaatcagc atatcagtgt gactgtgcaa ccactacaaa gcttggcctt 300  
 cttaaagtgt gccactttta cttacacaca cccacagagg catcagaaat ctccctggca 360  
 aacacgattt gcctatagtt ttgtggcaat actggttaca tagaacaaaa acaactctca 420  
 gacccatggg ttaataaata agagagaaaa gaagtaagaa accacttccc 470

<210> 833  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<400> 833  
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 ggctcctata ggagtcctac ttctctccag catcctgtgc catcctcttg acgtaatcgt 120  
 tgtacattgt gtacacagca cctagcatga ttgcaccac tgcacaggcc tgcgctgcc 180  
 ctcggtgtgt aatcaggtgt atggacatct tgggtggaacc acgagacctc agccggtaaa 240  
 tctgtatgc tgctaccacc aagcagcctc ctaagcctat aggaccagt gagattcccc 300  
 agtcttcctc aggagcttct cagacacaca gtcttcatcg tcaggtgggt acccaccagc 360  
 gtctgttagc agacataatc ctggacctgg atgtaagcag ctgagactcc tatgctgcag 420

cccgtccta

429

<210> 834  
<211> 516  
<212> DNA  
<213> Homo sapiens

<400> 834  
tttttttttt ttttttcagca aatgtttggt gaatttttatt acttttttaaa caaattactg 60  
agtaatcttc cttagtaatc atttctgtaa cttagataaa aatagaaatt tataagagtt 120  
tttatttttg ttacttgtaa aagtatatct cctagagaaa atatcagcag tggtagagac 180  
cagaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa 240  
cactttgacc ctgtctgtgt ttacagtccc tgctgactgt gtactgtcgt atcctcagcc 300  
ttgttctatt tctttatttt agctttacag agattaggtc tcaagttatg agaattctca 360  
tggtcttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420  
tgtcaggtgg gaaacgtgtt tctctttcag agctgaagaa aggggtctgag ctgcggaatc 480  
agtagagaaa gccttgggtct cagtgactcc ttggct 516

<210> 835  
<211> 445  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 835  
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gtcaatgttt ttgagtaaca gtaataagat gcccaaaatc caacagtaaa cattcaaata 120  
gtaagatctg atgcagaaca aagtcctcaa atgttaactc ctataagtta catctagcgg 180  
aaccacgagg gataaaggct gaactcatca tcttggttta tgatggaaac cgctatcctc 240  
tgaccagagg aacaggatgg aagtctcgaa tgccagccac ctgtttaggc actggtggca 300  
gcactgtggg tctcctcgtg aaatggggccg gggagacttc acagtgagtc taagtatggc 360  
aaatctctcc ttttacccca ggattaagag atnccccccg caactgagag aatcaaaaga 420  
aactcctatg gaatagaaga cgtgg 445

<210> 836  
<211> 408  
<212> DNA  
<213> Homo sapiens

<400> 836  
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aacaaaccaa aaacctgtgc acagaaacaa gatgaagaaa atatatcaag atgttaacca 120  
cactcttttg atggtgaaaa catgggtgag tttctcttct acatttctgt aacttcaaag 180  
tttctataat gaacacattt catatataat ggaaatatat gtagtaaagg tggactacca 240  
aaacactaga atgatgacct ttcaaggaaa ccgaaacaaa ataaccataa tcccacaaca 300  
accacacaac tatttcttgt ttttcatctt ttttcccatc ttgacattt atgcatactt 360  
atcactaaca ccctaataat cacagactag tgcacagatc aagatgtt 408

<210> 837  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 837  
tttttttttt tttttttttc cattttcata tcctatttta tttttgaagt cagtgtccag 60  
aaagaaaccg acgattcact caatcaacat gtaagcgact gaggcatccc tacacaccag 120  
gtttgcaggc tagggaccag agacacgatg gttaaacaag ccagagccct gtgatcctag 180

ggcttacaat gctggcataa gaaaatcctt ctggactcac tgtcccatg cttgtgactg 240  
tcatgtgcc aagtgcgctt acacaatctc atttttccct caacttgggg atagggtttg 300  
tatcattccc attacagata cggatgctga ggttactgag tggaagagga aacctgaatt 360  
ctgctgctgg accccaaaac tcatgtttta ttacccaaa 399

<210> 838  
<211> 419  
<212> DNA  
<213> Homo sapiens

<400> 838  
ttttttatta gtgtaataat tttattaata aaacgaaccc atagggttcat aacaagcata 60  
caaagtaatt ttttttcctg tgggttaaatt tggtacattt ttaataataa aaataagaaa 120  
gctttcatag ttaacttacc aaaaacataa cgcttgcccta ttgtttctta ctgtgcaaaa 180  
caaaaacaaa gttttgccca cagaaggatt ttgtgcacca aaacatgcac attttcaatt 240  
tcaaaatttc tgcatacaaa tgaaaattcc aaggccacgt ttttgtttt tcaaactaaa 300  
gaagagcaag aggggaatca ccaagcaaatt aacagcagct acatttttaa tcttcattcc 360  
caggtatttt ctgtttcaat gtagaattct ccacattcat aaaatgatat cttcaacct 419

<210> 839  
<211> 479  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 839  
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acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120  
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180  
atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240  
tttaaagata gttcacagta tttgagttta ttaattaatc aactgattta aatctttggt 300  
aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360  
accaataacc tactgccaac tgttttggta taatccagaa atgcatgagc cggactccca 420  
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 840  
<211> 407  
<212> DNA  
<213> Homo sapiens

<400> 840  
ttttcatttt tcttactttt aatatctaag ataaaaaaa aaaccaacc accaaaacaa 60  
cccatattgca tgtcggcgac acgctggtct cgggctccct ttctggggct gtcctcccag 120  
gcggtcccca ggtcctcatc cagggaagag cccagcctcg gccagaagcc accgcggcct 180  
ccagttccgc accgtgacaa cctgggaccc agcctttcag aaaggccacc aggaactggt 240  
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tgagagaaatt tcattttatt gcctagtccc ttcaggaaact tattgacacc gctgtgctct 360  
ccactgggga gtgtttccag atactcttgg ggctcggacc tcaaaca 407

<210> 841  
<211> 577  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 841  
 ttttcagctt ttcagaagtt ttattataaa gagatttgag agaagcactg ggcaccaaga 60  
 cagacactcg ccagggccag gaaacagctg caaacgacgt caagaaccca aacccaaacg 120  
 aaaccccaaa accacacaca cggtaggata agctgtaact tcattctcaa ggtttcttca 180  
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 ggggggcggg ccctctggcc aatggcatct tggggggg 577

<210> 842  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 842  
 ggaataatgt ttatttaaag ttacatttca gaggaaacta tcttcaggag ggcataaagc 60  
 ctatattggc tactgcaaaa caaccagaag ttttataaaa tatttctgat tttaaattact 120  
 aaggcactat agataggcac ctatattaca tacaatcttc aaacattttt aaaagttgaa 180  
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 ttgacaaaat gagatgcctg tttcaatgat tctgttgcca gcatattaat taaaatacaa 300  
 tttgagattc taaattacac gatccagcct tagtccaggg ac 342

<210> 843  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 843  
 tactatctag agtctagagc tcacagtaca gagttttgtg aaatacgggtg cctatgagaa 60  
 ttttcccatg gtacacagaa gccacagagg tgccctgaag cacagagcca ttgttggcat 120  
 acacgggtgt caccctgggc ttctcagaca aaacattctg gatgcgaagt acttctgatc 180  
 ctggagggtc ctcagggtta tagttcagta gcttcatagg attaggatgg catcctgcca 240  
 aaatgtctcc tgtggcagga tcgacagtca ggttatccac taagggtgcc aactgtatca 300  
 ctttcagttg agttaaatcc cagttatcat gtttttccat tatgtgaatg gtcctaactg 360  
 ctacatcagc tacatagac 379

<210> 844  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<400> 844  
 acgtatagca aagtatattg taaacaaatt taatgaccaa atgatagact ggtaaaaaat 60  
 gtgcctatca ccaagggctg atacctttcc tgtggcccag gcctctgctc tttaaaaatg 120  
 gggcacaaat acaggcaggt aagagacaga cagctctcat cctgcactct tggctttctg 180  
 agaggtatga cccaagggtc ctggagtcta gctgctgctt cctcctctgg gaaatagagg 240  
 agtgatattg gtagtaccta gggcatagca ctgctgggac aattcagtga tttggggact 300  
 gatctccata tcaagatgac ctgat 325

<210> 845  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 845  
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tcctagcctg aacaacatag aacatttcct ttccattttg gtagaaatta ttttttaagt 120  
taaattatat tgtgttctat ttgtttccaa tgtcttgaaa agttcaatca cttctccaaa 180  
ttctccgaat aaacataaga aaatatctct ccccagcact acccggtccc ccagtatcac 240  
catcctagga ggcacttcca cttcctctat catcagggaa ggagtgtgca gttctgattt 300  
agctcctcag tggagtaaag ggaatttaga ggaaggggga tttctgcaga a 351

<210> 846  
<211> 359  
<212> DNA  
<213> Homo sapiens

<400> 846  
tttttttcac cgtgttcctg gagctgcccg ctgccctctg ccctgtccgt ccccggcaga 60  
gactgggagc cggccctcag catgaccacc gaaactttat ttacaacacg aggctggagt 120  
aagaggggtg ggatggagga cagcagcagg gccgacagac cctacttctg ctcccgcctc 180  
cagacgatga ccatgccgct ggggttactg gagggcagta ggctctcgtc gcagttgaag 240  
ctgacatcaa gcacaggtgc actgtggccc tgcagcttgt tgacagcagc cttggccgcc 300  
cgctccacat caaagaagtg cacgcacatg tcctcactgc ccgtcaccac gcaggcccc 359

<210> 847  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 847  
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ggagacgtcg gagccttctc cacgcacctt ccgagctggg cccacgggtt ctgttttgtc 180  
tttttagctg gactcacacg tatggacaga cacagacacg gacggggtca ccgcatgggg 240  
gcggaggagg tcggacggca aggttggcaa c 271

<210> 848  
<211> 460  
<212> DNA  
<213> Homo sapiens

<400> 848  
ttttgagtct cagattgaaa ttaataaagc atttgaagtg aagcagatag ctctggtgat 60  
aacgctttat aggtttgcaa caaagcaaaa caaaacgagg cttagtgatg tgtcttgga 120  
ctatttagat aaagtccagg atgcaaacct gtggactggc tgtcctgcca tcctcacaa 180  
aacccccaac caggtaaagc tgatcattcc aaaggcaggt gcgatggccc atgcgtttca 240  
tcccacgatc tgcacagggg aagtgaacc acaaaggagg agatgtgcga gtatcataga 300  
tgtagagatc attgcagatg gtgtctctag ctctggtcag agtttctcca ccaaacagca 360  
cagcaaaggg cccgaccaca gaacatgagt gatgccgtag tccatggggc cccttctggg 420  
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<210> 849  
<211> 379  
<212> DNA  
<213> Homo sapiens

<400> 849  
gagatataaa aatctgtatt tatattacaa tgacataagg acacagcacg gcccacacgg 60  
tggacaggtg gccggggcca ctttccccct ctagegcacc cccctcacc ggcaccaggc 120  
cctcgtgtgg cccccgactc tggcacggaa cctgccctag tgcccaacat ggacctgggg 180  
ccaccctgct ggccgagggt cagggtcctc tgtgcaggca gtggggaggg ggtcccaggt 240  
tcctgacag agggaggcag ggcacggggg agcctgcctc acccagcgga cagcacgggc 300



aacattgcag gtattaagtg caatgagctc atgatgccgt tataaatatg aaacccatgt 300  
atgacaataa attaaaaatg aaaaagacag gaccatttaa ttctgctgtc tggttatctc 360  
cttgcaatgc ttcaaattat gttgtgctca ttca 394

<210> 854  
<211> 394  
<212> DNA  
<213> Homo sapiens

<400> 854  
tgtagaaatt aaaacacttt aatataaaca tttccagaat atagactgac cttatatcag 60  
tactttttga gaccgtttta aaactatata tcatctaagt ttattataga ctgtttcatt 120  
ttccactttc agaactagaa aatgcaaaaa tacactgcaa attagattta acaaagaaaa 180  
aatcagttta agttattttca tacatatctc ttggagaaag ctgagacaca taaacacaga 240  
aaaacaacaa taaaatacca ccaacactaa cacaaaacca aggaaagaac tgattttgta 300  
acgcttggtta attctgtcct ttaaaataaa ttatctccca tgaataaata attcactatc 360  
acagcaattt gatgagcaga agtagagaca actt 394

<210> 855  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 855  
tttttttacag tcacatgaaa aataaacatc tttatttttt tgcctacttt atttcatttt 60  
ttcaaataaa atttaaactc gtacaaagta tactgttaca gtatatattt tgtaagaatc 120  
aatgcctaaa ataatcacia tacttcaata agcagtacag cagacctcgc tagttttcag 180  
ctttgatatt gaacaaactc aagccggctg atgcacaaca cgtttgcttg gtttccacat 240  
ggtgatttcc cagcactgag atgggagaa atgacagcaa atatggtaat attacagccc 300  
gacacactgc gtttcttcat gtg 323

<210> 856  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 856  
aaacaaagag ggattttatt tatttacaag aattctggag aaggatggcg gctggtattg 60  
gcttggtgaa ataatgatag ggtcaatgac tctgtgattc tcttggcctt tttgtcatgg 120  
tagcaaagt gctgctgtgg ctccaggcat cacacctca atcaaggtag gaagaagagg 180  
cccagggagg tgtagccat gcctgtgtct tttattggaa aagctttccc agaagcccag 240  
gtagacttcc tcttcaattt cattggccac acctgatcac atagccatcc taagctgcaa 300  
aggagactgg aacagtgaaa atctggattt acagcctcca cagttggagt ggctggagat 360  
acagagttgg gacgaccctt gaaaagtgaa ccaaggctcg ctgcacggct gccttgga 418

<210> 857  
<211> 317  
<212> DNA  
<213> Homo sapiens

<400> 857  
tttttttttt tttttttttt ttttttttat cgtttgagaa agtttattac cacccttacc 60  
ctccagtggg atctcaatgt cacgatgagt ccggggctgg ctttccgccg ggacctcct 120  
gtcctggcac atggcccacc ccagcacgaa gcctggccgg gagggctcag gtgggtggct 180  
gctaggccag gcctccccag aacgactgcc ccatgtccag cctgtatctc ctgagtgcc 240  
tgctgcactg gggagggaca gggctggctc ggggctccag gaaagatgcc tcacatgtgc 300  
ctagaaatgt aggcgtc 317

<210> 858  
<211> 378  
<212> DNA  
<213> Homo sapiens

<400> 858  
tttttttttt tttttttggt catactacat ttcactttat tattattaac atttatcata 60  
catggttact attccaatct ttcatgcaga caaaaataaa caatataaaa tacataatgc 120  
actttgataa ttttaaccat acataaaata tggagtaatg gaagctatgt tacatggata 180  
ttttacaaag gaaaaaaaga tgacttttat aataacacat ccagatgaaa tttatcatta 240  
aattttggat ttcatatgat gttaagtatg gatataattca aaacaattac tatttataga 300  
accaatttga tattttgtca tttaaaataa tgaatactat gtaaattgagt acttataaaa 360  
atatttttag gcaaaaag 378

<210> 859  
<211> 199  
<212> DNA  
<213> Homo sapiens

<400> 859  
caaaacaaga caatgtttta attgtaaaac taactcgagg catgggtggg cgggctgggg 60  
ctgcgctgac cgggcaggaa cctggttctt caggcagtgg ttctgccagg gccaccccg 120  
aggacaggga ccatctgtcc cccaataagg gcaggggcta gagtgttata aaatgacaat 180  
ataaatagac ttctagaaa 199

<210> 860  
<211> 461  
<212> DNA  
<213> Homo sapiens

<400> 860  
tttttagttt ttttttcagg tgaatatggt tttattcagc aacagctctc atcaacagct 60  
tacactagct ctctcacact gtccacctgc cttggctgct tgagcccgtg gttcccacac 120  
acagctgtgc agcctgctct cccttgccctt cagggtcagc agcttaactt tttctctctc 180  
tgggcgtgac aacctgagct gtgtcctggc tccttccctgt ccatctgcaa aacggacagc 240  
tttggctctc tctctctctt actgggccc agtgtgccc ccatgtcaag ccatgttgag 300  
ctgagccgaa cccaagagc ccctgtacag cattagcagg acaattacct tttacagaca 360  
acagtggctc agaccaagta tgaacttaca caaacagggt atataacaag tggaggtgtg 420  
tgccctgtgca ccaaaccac tgagtcatgc aggcatggat c 461

<210> 861  
<211> 311  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 861  
tttctccagg gagttttatt tcttcagcag ctgtttctcc catgcctggg cttgtgctaa 60  
tgtggggcct gggcgagcgt ggggtcgggt gggcatctcc ctgagactgg gcaacctcag 120  
gtgccccagc cgagttcctg cagcccgtt tggccccagg cagtccctgga gagggctctg 180  
ctgttttctt tgccctgctg tgacgtgata gcagcccctg cctcatggcc tgcattgtgg 240  
ccggctgggc tgtgctgagg caggttctag aacagtgatc tgatagcatc caaggcagac 300  
catgtgggtg a 311

<210> 862  
<211> 247  
<212> DNA  
<213> Homo sapiens



<400> 862  
cacaaaggat ttgctgtaag tcttcaagtc attttgtcca atccaaaagc tgtattttaag 60  
cgctcgtggat cccagccagg gatgcaagaa tctgactttc tcaaacagat aacaacagtc 120  
gaagaactgg aaccgaaagc aaataactgc actaaggat tcatcact tgtgctgccc 180  
gacctcgagt gtcacatga agagtgcgct acccaagcta tttccttccc cttcagggtc 240  
tcgtgtg 247

<210> 863  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 863  
aggatttcta ttcattttta ttcattcctc caaagagcac cacaggccaa ccacaccctt 60  
gatgtgtcct tcatgggtcc cactgcagt ggacacaaat cctccctca ttatccaggc 120  
atggatggaa ctctgctgtg gtgaggaggt tgtctgccc actcaccctaa gttttccatg 180  
cctgttctgc ttttgatggc aatgccaaaa ttcatacatc atttccttga attcctgcct 240  
tcaagggtc 249

<210> 864  
<211> 337  
<212> DNA  
<213> Homo sapiens

<400> 864  
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gctatattag atggctaacc caaaattggt tcttggttta ttgagtaata agtatgggtt 120  
aaatggccta aatactacat attttaaaag ccttgatgct ggcagagctg cactgaggat 180  
ctgtgttttt aagaagtgcc tgggtcgggt aagggtgaaat tctaaactgg aggacacatt 240  
agtcagttta tctctctaaa cttgttcatc caaaataggc tttttaataa acaatttagc 300  
ttatacttca aattaataat cccccacac acattct 337

<210> 865  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 865  
gctcagtga gatttattgt tatagaaggc aactaatata atagatttgt gggctcgaaa 60  
ttttaaaaag ttctaaaaag gcagttaaag cttgacaata aacttgagta aggtttacac 120  
aatatcaaag tatattagtt ctttgaaatg aaaagggtatt tttttnctnc ctttaacatt 180  
gagatgtctg agatgtcagg attttgtagc attccttagaa acaacatcca ctgtgtggga 240  
tacttttttc ctttctggag ttttaaacca gtctgactct ttggttgtgc ctatacaatg 300  
aaaag 305

<210> 866  
<211> 475  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 866  
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gcgccgtggg aaatacagag aacacaggcg gtccctgccc acgaggagct cacagtctag 120  
aaagggcagc aagacagtac acaatcagtg gcagcagcac cagccagagt ggcaagtgtc 180

caaagcaaga	cacaaagtgc	tgtgcggttc	acaacatcat	ggggatgctt	ctggcagaag	240
cactggaaag	gagacgagga	ctcaggctgg	gccttccagg	gagggaaagcc	atttgggaga	300
agggcatctc	tagcggagag	aggtccatct	gcagagccca	caggtcatgg	gaaacatgtg	360
gnctgcaggg	agagtttggg	ggacanttca	agtatggntc	ggggaggtng	acagccacgg	420
acattaagtt	caggagattt	tganctttnt	ggtctggttc	aaacagccac	tncag	475

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<210>      867
<211>      279
<212>      DNA
<213>      Homo sapiens
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<210>      868
<211>      440
<212>      DNA
<213>      Homo sapiens
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<210> 869
<211> 252
<212> DNA
<213> Homo sapiens
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<400>	869						60
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caccgttcca	gggtagcagc	tactcataac	ttgtctttct	ctccaaaacc	aagagggcct		120
tcccaacaga	aaaaccttca	gttcccaaag	cagcatcgat	tcttcccctc	accccagcaa		180
acctcggggt	gggaataatg	aatcattcac	cttctcccac	ccctcactgc	cccgccccac		240
cttcatttgc	cg						252

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<220>
<221> misc feature
<223> n=a,t,g or c
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tcattggtgca	aagtgggtgc	tgagctccag	tcattcacttt	agccngcnga	anggggaagg	180
gnangggnaa	aanntttccc	ccccnctngg	gggattttctt	tncnnncccc	cagtnaggat	240
tttnggttta	ttataaggna	agaagagaca	gtagcngag	gcttcctgt	ccaccagg	298

<210> 871  
 <211> 477  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 871	tataatttct	gactgaatct	caaaattagt	tggggcattg	ggaaagaatt	taatttgact	60
	tttgagtgt	aaccaaggat	gtattttctt	gaaaagataa	aacaagagg	ctaattcatcc	120
	taaacaatgaa	tgtctgcaca	gattgaaatt	cccaagatgc	ccaggagccc	agcctttgca	180
	cagcctccag	caccgacatt	atgtgtgttt	tcaaccactt	cccccttata	caaagggata	240
	tgtttgaga	gtttctcaat	gggtgaccca	agcagggaac	caatccacgt	ctttgatcag	300
	agactccaga	ggggtgttac	ttgaccagg	gtgtatttgt	tgggagaaca	tggtgtccag	360
	agcctgtttc	tcattagatg	taccattggg	agattgttca	gagganggga	tggtctgatg	420
	ggnccatctt	cagggtaaag	caggctcttc	gggagagcac	ccggggntgc	aatntag	477

<210> 872  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 872	tctttattgg	aaggaaatgt	gttaaagaca	gactcactac	agtgttgaga	cagtagtgag	60
	tagcacagta	aggagactgc	ccaggacttg	aggtccttg	tccctctata	gaagtatcaa	120
	gtgtttgtaa	aaggtttagc	acccatgtga	cagaaagaag	ccatcatcct	cttaatttct	180
	cttgggtttt	acttaataa	tagaaggcca	aactagtggg	gcctctgagt	gcaagatgag	240
	ggacttcatt	aggaataaag	ncatattgcc	tctggggntt	ttctaaccac	taggctccaa	300
	ggagccctca	ggtgtcagga	acataggggt	aagggggact	tggatttact	gaggaggacc	360
	ccctaccctt	accaacatcc	tgtggggaca	ataggag			397

<210> 873  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<400> 873	aagaacgtca	gctcctttat	tattattatt	attattatta	ttaattattt	actgttattt	60
	accctaaac	aacagcataa	ctcaaataat	aatgacacac	acgtcccgcc	catatacaca	120
	ataccactag	cctatctgtc	aggctatctg	gcctttgctt	ggttcctgat	ggagctgtct	180
	ggagacagtc	cctcctgtaa	aaatcccagc	ttaaacacag	gggacagaag	aaagggggga	240
	cctaggtcag	atcataaact	gacaggctcc	cagcgtcctt	agggagtgtc	aatgtggaaa	300
	cttttgagaa	cgtgctggac	acatctgggc	agagggcaga	aggcactggg	ttgtttttat	360
	gtggttgatg	gataaattcc	atatggggga	tataaggac			399

<210> 874  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 874  
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 tgggggggagt cagcacatgg gagtgccgtc acctccatta gccacagnca gacggccagg 120  
 aggngtgcta ctgcagtga atggtgcact actgcagtga ggtggcgag ggctggtgag 180  
 cttgggcaca aaagccagca tgtcaccctc cctttggaga agcctctggg ccacaggctt 240  
 tttccagctg acgggatgag gaggggaaggg gacctagtac tatcgggatt cagctgactt 300  
 agcctatnga gatggagcag gcaagagatt ccctttgcag ggtgggaggt tatattccta 360  
 cagcctccat tcttgagta aggctcctt gccacacccc ttttcacc 408

<210> 875  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 875  
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 cttttatctg aggttcagat gtttcttcca agatcacatg gttgttcaca aaacttattt 180  
 ccttcagacc gtagagctca tggcagcttg cttatttaag gctaatagga gagagagtct 240  
 ctgactgggt cactctcttt taaaggacta gtctgattag gtcaggccca cccaggggat 300  
 ctctttgatt aactcaaagt cagctgatta gaaaccttat gtatatctgc aacttctctt 360  
 cacttttggt atataacata acataatatg gggagagatg atcccatcac tttttggcca 420  
 taatcnggtt gggtaagaa gcagggttaca tggt 454

<210> 876  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 876  
 ggtgatgcag atttcaacag taactctgga aaactgtgaa aaatgttatt taaaaatata 60  
 tatgtatatg ctactgacag tttcaaagat gtgattcata aataatgttg gctgcactga 120  
 ttaattttat aacaattact gcacttccaa gttgatgcga acacgcagna cntcatactc 180  
 aatattagga actagtaata tccttcaggc gtactacagt tttatggttag ctgtattgta 240  
 catatat 247

<210> 877  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 877  
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 aacagttgct tttactttca gtgatgtact ttttnctttt cctgcttccc agagatttat 120  
 cagaggagga taaagctcac ctaatgcaaa ggttggtttc tgtaagtaat tcctcacata 180

gctgtgtcca ccatcacagt tcatttctgg agagaggcag ctgataagac atatcacacc 240  
aataatcccc agaaggcctc caagacaggc cataagtgtt gtggtattat tcttttcata 300  
ctctttttga tcagggtgca aacctttggt ggtgacattt acacattttt ttctgttttt 360  
ctgat 365

<210> 878  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 878  
cagatacaaa gcagtattta tacatttatt tatatatgta tatttacttc agaagaaacg 60  
aacattttcgg ggacaggaag caagcaggcc cggggctgct tccctcactg cccacctcag 120  
agtcagagtt ggcacatgac aaataccaag ctcaggggaga agaactggga gttaactggg 180  
aagtaggggg cgctctatgc acacgcaggc ttctaagggt gcacggtatg ggcaggagga 240  
tttgactggt gagggcctat gtacagcttg aagctagggg gagattagcc cagtgactac 300  
aggaacaaac gccaaaggag ag 322

<210> 879  
<211> 321  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 879  
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agggttctct gtttcccaag tcctgatgga ttcaggcaag accttcacac attcaccac 180  
tacctgctgg agaggagggt catgaggcag cctgtggtgc ccagctcagt gtgacacact 240  
gccaatgtgc cgctcccc agcctctgat ggggccgggn cttgaccacg tgacaggctc 300  
aagctgccgt gcacatcccc c 321

<210> 880  
<211> 259  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 880  
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aagttcaaac cacatggttt cctagtcaga aagtctcatg gactttcttc ctaagctgtt 120  
ctatgatcag accacctcct aaatgtggct tttaccatt acaggctaca gttgaatcag 180  
gcaggagcag ctgctggaga gcaccagcc gacagacctg cattccagaa gcagcttgga 240  
gaaactggga agacatttt 259

<210> 881  
<211> 471  
<212> DNA  
<213> Homo sapiens

<400> 881  
tagcaatata aagaaagatt tattttcaaa agtagcaaaa cttgtttgaa aaaaatatat 60  
atctttaagt gaattacttt ataaatgtga ctgtcaaagt cagctatcct atgatctaca 120  
ttttacaaca tattgtacaa agatacatt gataggctct tatctattta tatatttata 180  
attacatatt gcacttggac cagcaaggct tgcagagtca ttcacggtag aagttaataa 240

agttaaatag atgggaatct ttgtaagtac aattgatctc ctctggtttg gaaacgaatc 300  
 tcctcgtcgt tgtaaagtgt tctcgcgggg tgggacagag agaggagcat tgcgaggggg 360  
 aagcagagac agagagcact gagggcaggg gtcgccttcc cggggcccgc tccccccggg 420  
 aggcggcctt tcccagactc gcacctccaa ggtcaggacg cggtggttcc a 471

<210> 882  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 882  
 ttgccaatga tgttgagctt tattaatggc ccctctccag aggtgctca gttgtcccca 60  
 gggaaactcct cagagatcct ctgccttccc acatatgagc ccgaggacac ctcgaggagca 120  
 gagaagtgaagggtttccg ggtcagacgc tgcactccac gcctgcgtcc tcctcgtaggc 180  
 tgcagtcattg atggccccag ctattcttgg tgcagctcca caggggtactc tccgtgcccc 240  
 gacactgaac aa 252

<210> 883  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 883  
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 agtaggtatg taaactagta gacttccatt ttttaagggtc acacactttt taacattgtt 180  
 tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240  
 atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccggggt gggaatttag 300  
 tttgttcaat gtggcatctt tca 323

<210> 884  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 884  
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 aaaaaactgt aggggaagcaa taaacaattt gactttccaa atgatgagga aagttattga 120  
 atttaccaaa cataaatata aaaatagtat tttgttgat aattaagact tatagctaga 180  
 gaagtagaaa tgtacacaaa aaaaacattt ggtatcaata atttggttgt gcattcattt 240  
 attcagtcaa caaatattta gctgagcact ggctagctgc caggtattgc actaaggacc 300  
 caaagatggg aagagatgat gtccctgccc tcatggagct tgcagtcgtg ttgagcagac 360  
 tgtcaaacca gatttaggta aggcaatgtg acccagtgcc catgntacca aaccagggat 420

<210> 885  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 885  
 tttttttttt tttttttttt tttgcattgt tttacatctt aagcccttta ttgactacaa 60

tgcagaacat	tttatttttaa	gacacagtgg	gttttgTTTT	tgttgatggt	ttcaccaatt	120
caactgaaga	cgaaagcaag	acaatcaa	ggtaactagt	agcagcctat	cagtaa	180
gggcaagtat	agagactggt	ctttggactg	agggttaa	aattagtcaa	taaaggcttt	240
tccactgtct	aataattata	acatattaac	agtcgcaaaa	tagtggtgga	tgggactcct	300
ctagaaataa	ctaaagcctt	tcattttata	catgaaatag	ccacaaaatg	tagatggggt	360
acatcaactc	attggggattt	gcccatttaa	attacnctga	gat		403

<210> 886  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 886	tgctggggcc	acgtgggcat	cctctttatt	ggtgcttcca	agggtgctggt	gcagagccct	60
	tggctgaagg	gcctggactg	tgggggaggg	tggcagcccc	agagacagca	ggggagagga	120
	agcgttctgg	cataaaaaaa	gagttcctgg	gtaaggctcc	tgtttccgag	cattcgggca	180
	gcaaggggag	tggcgacac	ttctcagccg	aagacactct	tgggtgggtcc	ggctttgggc	240
	ttctcaaaga	cagtctcggt	acctgtgcgg	gtgcggctga	acaccgacgg	ggcgccgag	300
	cagcttgctc	acactctcgc	atgacctggt	aggctctgga	cttgatttcc	tgggt	354

<210> 887  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<400> 887	tttttttttt	tttttttttt	agttctaccc	atgtttattg	ctaccagctg	gtctccctcc	60
	accctctcat	atttacaccc	aacccttcc	ccaaagctag	cttttaccaa	agttcctggt	120
	aggaggtcaa	gaagtgtgtc	cacttagccg	gcagtcctag	atgtagtgga	cgctgtttgt	180
	ccccaggcca	gttgggcacc	aggaagggt	actctgggga	ttcagggcat	agacttcgta	240
	ctgggggtcaa	gggaggcccc	cactcacaga	tactctcctt	tccttctggg	gctcaatgta	300
	cacaaaacc	ttcagaaagc	aaagttggag	tgggtggacce	ccaatgtcaa	gtttagtgtc	360
	ctctttgctt	gtgatgaccc	acacaagtgg	cca			393

<210> 888  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 888	cagaggtctt	gtcttggttt	attcaggctg	tattgagatt	gggaggatgg	gcaaaaacct	60
	gggggtgggg	ctggcaagga	ggcagttggc	ctaacaggac	agagctgagg	gggccagggtg	120
	ggttcaggga	gggcaggaga	ctcggggctt	catatccggt	ttctgcacac	gggcagttag	180
	cgggaacttg	gtgatgccac	aggtattgct	ccctcggtgc	agccggaaat	agcccttctc	240
	tccccatttg	gccccccagg	agttcttcag	gatccagtat	ggggtgggggt	gtggaggctg	300
	aggctgagac	tgcatgaga	ctgtctctgc	ccatatcc			338

<210> 889  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 889	tttttttaaa	attgaatcac	ttattttttt	ttaaagccct	gcatagaaat	tccaaggta	60
	tcaaaaacaa	atgagagaag	ccttattcat	tacattagcc	agaatgggt	gtggacgtga	120
	acattctgga	agggtgacgc	tgatgacttg	agaatgtcta	aggcacactt	tgtgttcttt	180
	gcaacatccc	atgagcaagt	acgcagggga	ctgtgtcctc	gggattcagg	ggagctcttc	240
	ctttccctgg	catggccctg	ggtgcctggt	gaccgatatg	cagcaccctt	gggcagaact	300

ccgtctggat tcagtgcacg ccctgcttgg gccagcacag ctctcgtgca aaagcacctt 360  
tgcagcttct gatcgcatcg tcgagctcta ggcacttggt caggcctggc actgcagat 419

<210> 890  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 890  
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attttaggtg tcgacagaac tattttttta aaatagcaag ttcaggtgag ttagtagtca 120  
tgaaaattaa aatgaaatac caattccatt tcctcgtgta cctctttgca aatgtcggac 180  
aaagcagagt ttataatag ttaataaact tgtgtaacaa cgggtggcttt ggtgtatctc 240  
taaagtggag tctttaaatt ataaaggatt ttgtgtgctt gaaatcattt tcaactcattg 300  
tcgtggcttt agatgaagaa ttactcttct ggaaggaggt ttcttttgaa aagtagcctt 360  
tcctctgagc atagcataca ccaaggccac aaacggaaat cactaaggcc acaactacta 420  
cggctgc 427

<210> 891  
<211> 380  
<212> DNA  
<213> Homo sapiens

<400> 891  
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gcaggacaac tgtatatagc aaacgccttc aaaatttaaa ctctttaaac atttaattct 120  
tcagcattaa tacacacaaa tgcggttaaca ggggtcaggg ggggtggtgcg ggggcaggtg 180  
ggttacagcc tccactggga tcagggtttc aacagtgtta cttataaatt atattacatc 240  
aattttatatt actgatctag gcagccagag ggtggaagga tatacaatgt ggaggaaaca 300  
cattcatacc ggggtgagga gtgctggcgg gagacacggc tctttaacat gaaaaatgta 360  
taaagtattt agcaaaagtt 380

<210> 892  
<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 892  
agagtaaaaa aggagtttat atatttataa atgccaaata aataccagag gccacccaac 60  
gccccctccc agacagggct gtctccccc gccctaggct tctaggggtg gagacatctt 120  
ggccccaagc tatagcccaa gagcagctgt cagtctgtgc taccaggga ctgagtgagg 180  
atgatctgtc cagccaagtt tcaactcccc tgtgtgaggg gcccccatag ccacaggcct 240  
gggtccctgt ataggacct aagggtgaaa gactcagggg gagaaggtgg ccatctcgag 300  
tgagaccgc tgccacagct ccttggtctg tttgctgcgc ttgaggttct gtaggatgtc 360  
gttgaactgc atcatgccc tgg 383

<210> 893  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 893  
tttaacaaaa tgctttattt ctatttttaa atgagaggca ttcccatgaa atatcaaaag 60  
gcatttacat gtgttggttt aactcttctt ttttgatcac acaaagtagg tagaaaagat 120  
ctgctgaaat agagcaaata agaaaccaag tagtgtaagg cattaggaga tacatgaaga 180  
gaatcgctat ttgcttcttg tacagcgtgt ggcaagtcac ggtagtagt catcgtagtt 240  
gacgtggct ccatgcctaa agccgtaggg gtcggggga ccaattgcag agtcttcac 300  
atagtgcgt tggtagtaat cgccatagta ttcatgtcca tttcgatctc tgtaagcca 360



ataggtgatg tcattcttcaa atttcgcttc gtcaaagccc atgtagagaa ac

412

<210> 894  
<211> 451  
<212> DNA  
<213> Homo sapiens

<400> 894  
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tgatttccta attataatag cacagaaatc ctttagaatt tagtaaactg aattaagact 120  
attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaaggaac 180  
ctgtccattt gagagaaata caattgagaa cttgcaaatg agacaaggga agatggcaat 240  
ttggaactgc aatagaaata actatagcag aaacaacat ttaagaagtt ttagcagcaa 300  
taagtattta ttattctgaa tgaaatgtac agttgacttt tatataaaaa tcatcaaaag 360  
tgctatattg gattatttta ctattaattt aacccccaac agcatctatt agctataact 420  
ttaatgggtt tttctttact tctgatacat c 451

<210> 895  
<211> 376  
<212> DNA  
<213> Homo sapiens

<400> 895  
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tgacatctga atatgacagt atattgaaaa aagaatgcat gttatttatt ccatactggg 120  
gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180  
ttgaattaga aaagcaagct ttgccaaatg cctgattatg cctttactgg tcctgctagc 240  
tggcatgttt caccaacttt tccctagtgt ttcctttggc actgttgagc ccacactaca 300  
aaacatgaac aagtcccaca aaaccacact atgcctctg cttcccatc atgtggggac 360  
catctgcctg gacatc 376

<210> 896  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 896  
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gcaacgatag tcgggatagg tctcagacac aaactcagga tggataacat agttgtttct 120  
ctggggacca ccagacttct tgaagtgact tgtgtcccat ctaaggttcg gatatgggta 180  
gtatgacggc gggggagtgt taacagcaca ctgcattccg ggccggtgct cgtagggagg 240  
tacacatagt cggttgctcc cggcaccaag gccgcacgtg cggtcaggtg cagggcgccc 300  
cgctggcagt agtagtccat cccgcgcaga cagtagtggc ggcccagca agcactttcg 360  
taaccatgga agggcagggc g 381

<210> 897  
<211> 457  
<212> DNA  
<213> Homo sapiens

<400> 897  
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gctgggagcc aggaggctca ggtccgacag cagggggccag gctgctcact tcttggagag 120  
cttgacttgc ttgtgcttgg ggggtgccc cttgaggcag acggagccac tgtgatgggt 180  
ggtttcttat actgggcact tttgaggtgc tcctccacca gcttgggtgt gacacagatc 240  
acgtgctggc ccttccagta cttgaccata ttgagggatt gcaggggtact gatgatgtca 300  
ttttgggtga tactgggtcat ctggctgagg tccttgatgg acagtgtgcc ccggaagtcc 360  
cgcagatctc cagcagcacc caggaccagt agctgcggta actgagcttg cccaagtcat 420

acagcggtt ctccggggag ccgactgtgc tctccag

457

<210> 898  
<211> 514  
<212> DNA  
<213> Homo sapiens

<400> 898  
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gcatgcatga acagatgatt cattcgttta acaaaaacac caattgatac tgagaacact 120  
aaattattaa atttccaaga catataaaat tctctttaag ttaaagtgag aaagaaaaaa 180  
aaatcacaaag ttgaataaat acagtgattt cagctgggtcc aatgaaagca taaggcacia 240  
attaaaccaa gggactagcg catcagaatg aagcttgtct ggccacaca agtctctcag 300  
tgtggctccc acgaccctgc acagatgctt gggaccaaga ggaaagagca cctgcaggcc 360  
gggaaccctc ccttccaggt tcaagtttgg ctgggtgccc atgcttcttg tggacaggcc 420  
tctctgtatc agagaaacgc tgcctctaact acttttatgg gtaaacaaaa ccttcatgct 480  
ctatcaaaca atcctggcat gaataacatg aaac 514

<210> 899  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 899  
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ttacatcaca aaaactttta atgtatttac agagtgaata agttacatag ataaacyctg 120  
aatatgtttc tgcagtgcaa caagttcaca tgcacacatc taacacttga cagcattaag 180  
ttaaggagag acttaagatg gccctttaca tatatmttvc amataanmta tgacatcgaa 240  
gaaacaagta acaactcata ttttacytta tgattctact tctgactatc caaacagata 300  
ttaaaatg 310

<210> 900  
<211> 449  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 900  
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catgtgggct aacagaatcn cttaaaatgt tctgctatgt agctgcttca gaaatacaca 120  
cacatgataa attcaagata aattcaactg gctcactgcc aaaatttttt ttaaaaaatg 180  
gctccaagag caaataacac tgatttataa tgtgcccag cactacgtca acaaatctat 240  
taaattacac aggaaaagga aatcaaggaa gctttgttat cttatgcatg tcatcttatt 300  
taaattgaag gttttacttc tttaaagcaa cagaaatatg gagcttcaca tatatatgta 360  
tatatatatg aatgtgggta caaacacgaa ggtttattca aaagcaaaag ctagttcaaa 420  
aaatttctga ctgcaaaact tggcaagat 449

<210> 901  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

<223> n=a,t,g or c

<400> 901  
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ggcggggccgg tacgcagnga tntcgggcgc tgtgnganca cgtgtatttg aactctttct 120  
cctgcacgcg gctgtccagg tagcggcgta cgcgangctc cgcgggggatg ggcgcctggc 180  
ggaagtgcgc gcacaccgtg tcgacgatgt gcagcttggg caggaggctg cagtcggcca 240  
gcgtganctg tcgccgtcca ggaagcggcg gcgngactcg cgcantgcgg ctcccccgcc 300  
agctcgtgct ccagggggcg gcgcaggtag ctgtccagcc tggcgagggc gcgcaagctg 360  
ctggtacagg gcttcgtcct gcgcgggcac gggttcttga tgaacgcgga gaattgtgga 420  
aaacgtcgtt gccggcggtg ttggactcct gtaagagcgc cagctgggga atcggcggcc 480  
caangtctct caggaatcng atttnaacgt 510

<210> 902  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 902  
agactttatt caaagaccac ggggggtacgg gtgcaggaag gggaggaggg gctgggggga 60  
ggccaagnaa ngaagcatgn caccgaggtc cagcttcacg gtatttggag gtagcacggt 120  
gtcacagaa agcaggaact tgtccaggga ggcgtcacc aggggtgaact cggcggggag 180  
gtgggcgcca gggtcaccag caggcagtgg cttaggagct tgaagttgac cgggtccacc 240  
caagcttgtg cgcgtncag gtcntcagg ngacangcgt tg 282

<210> 903  
<211> 301  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 903  
ggtttaatta tgggaaaaag cactaaagtt aggtaaatga ttttgtttgt catgcttctc 60  
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agcttgacgt gcacaggcag aggtctctggg tcagtgcagg aagcagagtc accgccagt 180  
ccttgggatg gggatcacag aaggtgacct gtggctgcat gagccactgt aggactctga 240  
cctcagtggg acaggatgac acaggcagct aggaattctg ggcaggggca ggtnggcatt 300  
a 301

<210> 904  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 904  
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acaatctgga tgttgacata gaaatgcaaa ttctactata caaaggtaag gctccaatca 120  
cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180  
ccgagttgtg ttataaata ttagacaaac cacaaaatat attccaaata cataacattt 240  
tacaatattt ttcaagcaca gacaaataca tactttactt tacctacatt gttttcatga 300  
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 905  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 905  
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 ggtgtttctt gaagttgata aaggagggct gggctgcttg tggtttcctc caatatcaca 120  
 ctttcattta tttcatacac caccaacaac tctcaatgct taaccatttt cagttgccag 180  
 gaaagaggta gaaatatctt gtcattggaca ctgcgttctat ggtgggcatt tggactgttg 240  
 cctccggact ttcaaatgct tgctgaacct tccaaaatac ttctcttagg tggcagcgca 300  
 ggaatatctc tggaagcatg cgatgagttg tgtgatgaag atgggaagcc ccttggtgcc 360  
 cgtctctccc tgggacacgt tctctgggn tgtcaagatt ccccttctac aatccaca 418

<210> 906  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 906  
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 caaggcctcc agtactactc tcgcctgcct caggttcctc cgactgattc agttctgcac 240  
 gctcctcctc ttctcctcgg ttttctgggg ccttcctctc ctctcctcgg cgttgcnct 300  
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 gataattgga 610

<210> 907  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 907  
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 catccataat tgcttgaatg ctaacttgac tgttacatgg acctgttaca aataatgaac 120  
 aacagagcta ctccagtata tgactagtca ctgtgaaata aaaacagacc catggcacac 180  
 atggaaatt 189

<210> 908  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 908  
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 taataatata tagagatatg ggaaattaag acctatgaag ttttaattat ttgcataaga 120  
 gtatgccctt gcatcataag aaaacatata aaaacagaaa tatgtttcaa acttgatat 180  
 aacatatata tacatgttca acttgatcag gttcttactg aaattattta tttattttta 240

ttataacttta	agttctgga	tacatgtgct	gaatgtgcag	gtttgttaca	caggtataca	300
tgtgccatgg	tactttgctg	cacccatcaa	cccatcatct	acatcaggta	tttctcctaa	360
tgctatccct	cccctagccc	ccatcccccc	aacagggccc	cagctc		406

<210> 909  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<400> 909	tttttttact	gaaacaagaa	actctcagat	gcaagtcaaa	aagcagaaaa	tattttacaa	60
	tattaaaaag	tcattctgtag	ttagggttcgg	catattaatg	agatcctgag	cactgagcat	120
	ttatggacaa	tatggccttc	gtttgatgca	taaaaaggaa	attcaacaca	aacacgttgt	180
	taaaaccgtg	ccagaagatg	cgctagagtt	ttctctcatt	ttaattacaa	tcagtgccag	240
	tatctgtatt	acctgtgaag	gcctccaaga	aagggtcatg	gaagcttatt	gggaataatc	300
	ctctcaatta	gaaaaaaaga	aagaagaaaa	gaaaatcaga	tccattgtgg	ttagaaata	360
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	ccattggta						429

<210> 910  
 <211> 554  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 910	tttatgagca	aatccaaatt	tatttttaatg	tcattgtcatt	ttcaatgtgt	ttaaaaacct	60
	cataagttag	tgggagccct	agtttcctgg	gacagcatgc	cagaggtact	gaaatttgtc	120
	acctttctct	acaaaccccc	agcaatccaa	tccaagtcca	tagcttcaga	aagccaggag	180
	ttgtgtcttc	agtcagtcta	cgctctgggt	tcntgggttt	tccttncatg	gggaggggag	240
	atnncaanat	ttcaaacagg	ggaacaaaac	caggttgagg	cttccangct	caggggtctgt	300
	gtaagatgga	gcgaggaaag	acccactng	actccagaga	aaaaagggtg	aggtttgaga	360
	tggattatth	cntttacagc	tttggtgaaa	atgggaagaa	aaaagattta	caaatgagga	420
	tnccatttca	taggatggag	aatctcttca	taaatgaagg	ctccaggtcc	caaatggggg	480
	agggggcctg	actggacagc	ctgaatcnga	tgaggaatcg	gccacactgg	attanaacaa	540
	tctgaaaaat	aatc					554

<210> 911  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 911	aaagtataaa	gtgttttggg	aaaaaaggaa	aaaaatctat	ataaaaaatct	cttcacatat	60
	aaaatcctga	agaagggtga	aggtgagacc	cagtgcgagg	ggcgtgctca	gatatgcagt	120
	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatcc	gtgtgtacat	gtgtgcacgt	gtgtcgtatg	180
	tgtctgtgtg	tctgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtggtgg	gtgcaagtgc	240
	acgtgtggcc	cacagagggt	ggggagaaag	cttggctttt	tacttccatc	caggagggaa	300
	ggagggcggc	tggctcctca	gccttgagg	gtctgcagct	gggcgggacc	tctactcagc	360
	caggctgttg	cgcacgcact	ccttctcctg	gagggcggcc	atggcaagac	gcaggtgctc	420

cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga

463

<210> 912  
<211> 216  
<212> DNA  
<213> Homo sapiens

<400> 912  
ttacttacac ctttctatatt tttattttttt acatcaaaca ggtaaatgtga tgatgctgta 60  
acaagggtttg agggaagcat atctgacaca tgagcatgaa accaaatcac catgcttatg 120  
gactacaaaa ggacctaagc ctttttaaact agactgtctc aactgtgcat taattatgta 180  
tttagatata ggatatgtgc ttgggaaaat gtataa 216

<210> 913  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 913  
ctaaatgctt taatttttttg tcacaaatat ttctgcatct ctcagtcctt tcttggttga 60  
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aggnaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180  
tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

<210> 914  
<211> 216  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 914  
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gctaagggca ggtcagtcga gtgtgtgggc cgcggggggtc acaggcatag cagnaggagg 120  
gggagtnanc tacccccacg ggnccacccc nagcccagtc caggggtngg agggagggggg 180  
tgaccctgt cgaggtcctc aggcattctt ggctga 216

<210> 915  
<211> 361  
<212> DNA  
<213> Homo sapiens

<400> 915  
tttggggtag tatattaact ttattttgaa ttattatata acatggaata tgtcatcaaa 60  
gaatgaatta atgaaaaacg tttgtagttc agttaagcag atgatttgca taggaattgc 120  
tagtttttaag tcttaggatg cggacgtaac tgaattgtca attagattaa catagaataa 180  
tcatttacat gtgtgcaaac taaaatgcaa ttttgaaaat aacacacctt tccgtacagt 240  
ctttggtagg tgatgattca ttttcctgc tatgggtaat ctcatctaga tcaaagtga 300  
tccttctaag ctagacacct cttccctaca gtaagaaggc ctccatattg ttcaagctac 360  
t 361

<210> 916  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 916  
ttttgtgttt tttttttttg tggctttgac aatttatttg aataaaaaaac atgtatcact 60  
tattgacaga gctttgtgtt caaggcacat tcatacccat ttcctcagca gaacctcaca 120

tccctacgaa	ttagacaagt	cagtcattat	tctgcagatg	aggaaactga	ggctccaaga	180
ggataagtga	cttctccaag	gtcataccac	tggaaacagc	aaagtcagag	ctagaatttc	240
ggggctcctg	agatatccag	aattctttca	ctgtgcaatg	ctgcctctcc	aataaataaa	300
tgaacaaaat	aaataaataa	agctttcaag	ggaaccctga	ggaatcctcc	ctca	354

<210> 917  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 917	ttttgtcgag	aggaacgcac	gtttttattgg	aagtcttggc	ggcaggggga	gtctgcgggg	60
	gcagggctgg	ggaaggggag	gcgagggggg	cgggtgggag	gcaggtggag	cgtgggagat	120
	gtcaggtgcc	aggggagtc	tggccggatt	ccatcgctcc	aggtgtttct	accgcctgag	180
	gtcggacaga	cggcggtatg	agctgcggaa	agttccctcc	tcttcacgag	gttccccagt	240
	cctctgctgc	tggttgaact	tgcaccggca	tcttctgctc	agcacgatga	ggatgcccag	300
	gatgaagagg	atcccggcga	tgaccaggcc	tccgatctgc	agggactggg	agtcgtaagt	360
	gaacgggtcg	tgttcctttg	gactttctgc	cttgggcatg	gtgaggagac	ccacacagaa	420
	aac						423

<210> 918  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 918	tacactagca	tccaaagtgt	atgaaaaact	tccacacact	cagtcctcac	aacaaccgtg	60
	agggaggtaa	ggcagtgatt	atgatcccat	ttcacagggt	gaagacaccg	aggctcagag	120
	aggggaaatg	actggcccaa	ggggacaaga	cgcattctaa	gatgtcaagt	cctggaccct	180
	tccctgcaag	gccccctgtg	gaaggaaata	gctctgctgg	acattcagcc	actgaagaga	240
	gcccccagtc	cagaggcttg	gagaccactg	gaggctctgg	cctggtgacc	ctgggtctca	300
	agagaaatcc	gtgcggagag	ggaggggctt	ttccattcca	ctgatgagga	gctcaggctc	360
	ttgggacatc	gtggagggtac	tgggcaccgc	t			391

<210> 919  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 919	ggagacaatg	acaacggcag	ccgccatttt	attgccaatc	agccatgagc	cccgccttcc	60
	atacacaatg	acatttcatc	cccacaatcg	attaacacaa	ccatgatagc	catgaactcc	120
	caactcctcc	agctgctagt	gctcaacggg	agagtcctcc	ccaggtctgt	ctcattgcag	180
	agcccatatt	ctttctgccc	ggccagcagt	tactctctcc	aatgagcagg	cactgggtgca	240
	gtcttgggtg	ggcaccagtc	acccctatgg	aaatccttga	tggatgttac	aggacaggat	300
	tggatgtgag	gggtcttgga	aatggggctc	aagaatcttc	atcatgaggc	gtttctgcgc	360
	ctactgacct	gagatacaga	gaggaagtcc	catggacacc	aacaccagtc	tc	412

<210> 920  
 <211> 495  
 <212> DNA  
 <213> Homo sapiens

<400> 920	ggatttgcaa	atattttta	tcacagaaac	tcaaggagag	ggtgggggtg	ggggctgggg	60
	tgggtgtgtg	ccgcccttct	gtctttatcc	aggccttctc	cagcccccg	aagtggcaac	120
	agcattctag	agacatgcag	tgggtgtgta	gtaccataca	cacaacacaa	acgacacagc	180
	cagcaacagt	ggctgggctg	gttgggtggg	ggcctctgga	cctccaagtc	tcaggctctg	240

tcacagagca gggcaggtct ggtccgctca cagggtcctc acagccacgg gatagaggag 300  
 ggacaagtgc tcagcccctt tgatgggtag ctttctgggtg gtgtagtagt ggatgacttc 360  
 cgggacactg tcgaacggag ggctgttctg acccagaacg tatttctctt tggttttggc 420  
 cagtttcatg tgcataaaac cctggttgct cctcagggag agggagtagt catgcttgct 480  
 ggtctgggct gtccg 495

<210> 921  
 <211> 543  
 <212> DNA  
 <213> Homo sapiens

<400> 921  
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 tcctgtgggt ggtggtaggc cgacagatgg ggacaggaag ctgtggacga aagccccagg 120  
 tcccgtggga gaggtgacag cagcaggggc acgcagccac gtgggtcccc aggggaatgt 180  
 gaaggcggag ggctccaggc gaactgggga ttaaacaat atttacaggc agcaggggaag 240  
 tgcccagcgc acgtgacggg ggcggggcgg gactttgggg agggcggggc taacggtatc 300  
 gagcgagccg gttgtagacg tgggtccagg ttctgcacag gaatatcgag agcgtcatga 360  
 acccgagctc gagtaggccg acgcccaggc aaatgcccac tatggaaata aggttggtgt 420  
 gcagccactt ctggaggcct gcgcccaccc tcgcggtaga tgtggctctc tgcaggacag 480  
 cgcaatgtct gcactgtgtc tgggacgcgc cagtgtccag cctgctgagc tgggcaagat 540  
 cac 543

<210> 922  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<400> 922  
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 agaactagga atcaaatatt gtcttgact agaggtaatt gctaagctgg aagcttatat 120  
 tgaaaactaa aatttccagc ccttgactat ctgtagttcc aaacatcaaa ggaaaatatt 180  
 ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240  
 gagggggaac atttgatatt acaagaagt gtgagagttt acaagtcttg cattgctttc 300  
 tattgtacat ggctctgtag taatgccaaa aataacaaaa tgtaggcact tgctctggac 360  
 ttctgcagt 369

<210> 923  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 923  
 ccaggtgaac aagtaaatca ttggctttat tctgggtcct ggaagctcca ctgtnagtnt 60  
 gaaaaaaaga cacaacaggg gcggcagccn gnggggctgg tgcagaaaat agtccctggn 120  
 tcctntggcc ctgggagcct aaagggcagt gaggagaagg ntagcaaga ggcttgagc 180  
 aggggaagtc aggtccctca ggaaccctc ctccccaga ggaaggagga agagggtgg 240  
 agagtctgct ggagagtctg ctcaattcct cagcaactgc actncaggag ggtgcaggcc 300  
 atgggttact ccttgccctt ntcaggggc 329

<210> 924  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 924  
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 aaggggtaag gagaaaagta ttaaaactga aaattttacct agtgaataag tggacataac 120  
 aattgagaat ctatccactt catgtcactt atggaaacaa cacattaaga ttaaactaca 180  
 tgtttgctag agtaggagaa agtatatacc acagggacca tcattactct agagtgggtc 240  
 tatgcataac tcctcaaaaa gagggccatc gttgggtgtt atgtggctaa aagttgtgta 300  
 ttttgggctt ctggagaacc ataaaattgg actcaaagaa tagtttcaaa ggaggtaaaa 360  
 gaaggaaatg ncgtggacaa ttggaaggac atgggaattn aaatgggntt ggtnccccaa 420  
 ntggcccctt aggtaaccga gag 443

<210> 925  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 925  
 gagggttataa ataattacac ttaatatattt aatagtgtgc tgtgaaatac atagtttttt 60  
 gttttgtttt ggcaaatgtt tcattttgtt ttaatgactt cgggtccaata taaagaaaat 120  
 gaaatacagt gaatagtctt tctttcaaga tgagctgtat ttattactgg aacgggaagt 180  
 gtcatatccg tgatcattag ctttgaactt taagcacgac tgcttttcct ccaaggactg 240  
 tttttcttca aatgactggc accagcagca taaagcatga cttaaagcag tttttgaaac 300  
 ttttgccac ccaatacaga gcaattgggg ttaatgccgg gaattccagt gaaagccagg 360  
 ttg 363

<210> 926  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400> 926  
 caaacaattg atttttattg cagtaagagt aacaaggaat cccacccctc acatgccctt 60  
 tgctttatgt aaaaacctgt ccagcagaat aagcaacagt caccctcagg aggcgattta 120  
 gcccgaagtg cccatagaac agcctcaggc acgacttctg tgctccctcg ctgttcccag 180  
 agccatctgc caagaccagg aattcacctt tggagtctaa cttgttttct ctttttttca 240  
 cctctcaaaa aataaaaagc cttcagtaat acagcccaag gattaccctg gtgtctaaaa 300  
 gaaggataga ttcccataaa caatgttgct agcttgagtg agggtaaaca cagaaaggca 360  
 cacaataaat taaagcagac cttgactctt cagagggcct ggcggtgacg tctggggggg 420  
 gccagatctg cc 432

<210> 927  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 927  
 tttatggggc gggaactttt tatttgaagc aagttaatca tagcattgcc cccagttacc 60  
 ctgggtatcct gctacaagga gcatcacacc atttgggcac atgggtgtgcn tcatccacta 120  
 gcctggcatc tcagcagaca gcagagggca gcagaagctc agc 163

<210> 928  
 <211> 231

<212> DNA  
<213> Homo sapiens

<400> 928  
tctatttaga tcggatttta ttttgcaata tttattatat attcaattca aatgtactca 60  
ctattgtgct aggcaattga aagtaaaaag tataaagctg cattttgctg tctcagttag 120  
gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180  
gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 929  
<211> 457  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 929  
ttttttgtgt gaaaagcctt cattgtgcaa gcggtgcccان caaacaaaca ccaggtctgc 60  
gctggccgaa gacgaagcgt cctccctgga gtcgggaaca agtcacctct gaccacacct 120  
cctctgacgc catcacctcc tcctggcccc acccaagggc tcgacacaag ccccaaggtc 180  
gggggggagag gggcggggag gaaccgaggg cggaggcaag gtgggattcc aggaaggcct 240  
tccgaagatg ggacgggtggg tcctgtccct ccaggtagct tgtgggtgtg gacagcagga 300  
cttgctggct cagtgtgggc acaaggacac tgtgccactg gttgagttag tggtagggga 360  
ttggagggtg ctcccagagg actccatctt gcatggccct ggccttgtgg cttccagnag 420  
gcttgccctg gctgtgggta agccangagc anatgag 457

<210> 930  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 930  
aaagatttta ttgtcttctt aagtcaatat ccctgngaa antangngga taacttgaaa 60  
ctgggtgacag tgcaacacag accttcagga gctgctttga aggactggcc tgccagaatg 120  
cctgctgtta agcagcagcc ccctcactcc ggccccctgca tcttgacaga tggagctgcc 180  
atggtttcag ggacactcag cagggatctg gggttggtccc tcccacatgg accttgtaaa 240  
gttgctattc aggggacc 258

<210> 931  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 931  
taaagtgtaca ttactataa aagctgttgc attttagaaa acttgttgtt tttatttttt 60  
actgtttctc agaggcattt tagaataaat actttaaatg aaagtttagta taaccgatat 120  
agaacactgg cccaccaga gcagtaacat cttttggacg gactcacata tgagggtggga 180  
tcatttcagt ttgttaaatac ttacactgag tataggataa ctataatatg tattgcatta 240  
atcacactac atgggaaggg naatgtcagg ggagggttcgc ctaggtggaa aaaacaaaaa 300  
ggttacccca tttattttta ttaa 324

<210> 932

<211> 145  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 932  
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ggtggcaggg agaaaggctg tggggantca gagcgggtnc tcagttgggt cttgaaggag 120  
aagaggagga ggggtgggagg tgggt 145

<210> 933  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 933  
ctactaaaat atatttttaat agctggtggt aacaatttgc ataacaaaag ccaaattata 60  
ttagtaacat tgtaacattc cgtgacgcc cttcatttgc aaaacattca atgttttctt 120  
caaaactggt acactctcaa cgttagtctc gcaaattaat catcaaccac aattctacat 180  
attttgacgc aaacagacgc caaactgtac aatgggtcan ttttgatcac aggtcaaaca 240  
tcangtttca caccatgcct gtaatagact tgggtgctgct tcctaaatgc tcagcaattc 300  
attacatggg cactggcgac tgggactgtg atgcagtttt ctcttttctt ttaaagtcca 360  
tcattcttaa cagcaactgg cttncnccgc cgcgcnactc tgccanactg ggatccc 417

<210> 934  
<211> 231  
<212> DNA  
<213> Homo sapiens

<400> 934  
atttgaagggt taattacacg ggccttttta ttccatctgg aaaatacaaa tattcacaag 60  
agtctgtaca accttaggga caccagccct ggccctgccc tcagctgcat gccaccctca 120  
tatccacccc ccatccccag cctcctgccc cgacaccccc aggtccctg ctctgggtga 180  
agtattttct ccaaggcagg aatgagtcct tgatccaacc acagcatcta t 231

<210> 935  
<211> 493  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 935  
tttccaagcc aacatttatt nttgcacaag cctggtgcag tcctgagggg atcttctggc 60  
anaggntntgg gtaggagctg agtggccact ggggtgaagg gagacagagg aggctntgcc 120  
agcaggntcc tatccagatg atacatgaga tggaggctcc tcagccacac tccagggagg 180  
gtgggggtggc aaggggggatt cagggataat ggcattaata atacaagtgg taaacaaata 240  
accaagaggn tctggctggt tacgntacac aaaanttagc agtaagagtc cgtgctttca 300  
cattcctatc agacagatct gagttcaaat cctgtatgtn tagcaggggtg aggtatctgc 360  
tttctttcag agcccatggg tgcacatctc tgagcctagt tacaacagtt ggcacatagg 420  
tnggtgacaa ggagggcagc tctttgattc ctgnttgctt ccacagcaca gagagttaag 480  
tatggctggt nta 493

<210> 936  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 936  
 ttaattatng atattccccc tcaccgccct cagggancgg gagaagtcac acgaccatag 60  
 ggagcttgga cttggtggtc gtcacgggtc tggcagacga gggctcttcc aggaaccct 120  
 tgctagaatc agccctcata caagtgtgct cagagatccc aggagcgtat gcatcctccc 180  
 gaagtcacta ccccatatg tctccttggg cttcttcccc ctctctttct ggaacctgac 240  
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 cggcc 305

<210> 937  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 937  
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 agtggcagta gccagaagag gccaggaagt aagggtgggt atgtgatgtg tcctgggaga 180  
 cccagatgag gaaattgagg ctgagtgagg gcctcaggtc acacagtaag gtgcgaagga 240  
 gctagtcccg agagcttggt gtggttgctt ctctcttgcc tgggctacag gaggacgcag 300  
 gggcagcccc cgcccttctt cctgggggca ctgggagggc tcggtgggag ctcttggtcc 360  
 tggattttcc ggacagcccg caccagctgc ttcaaaagcc tcgtccacgt tgagacgcat 420  
 tttggccga 429

<210> 938  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 938  
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 gcttaaatat gaggcaagca gtcaggggtt agccatgcct gggmntgggt tggggtcatg 120  
 aggctacagg cacagactgt cccaggtgg acagaagtn ggagcaggan nnnnngnnng 180  
 nnnnggccgc anancagcct gggtcagagg cctggtgggc nagcccagtg ggactaggca 240  
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 ttagacccag gcctgagcct ctggnagnng gcagccgcac ttggcagggc ggtcttccca 360  
 agcctcactt ncttcacctt ngcatcgtag gtgccttgca ttcttgtagg cgctcacgta 420  
 gccactgtcg tccaggatgt cctgccgtcc cgcaatgccc ttgcct 467

<210> 939  
 <211> 1364  
 <212> DNA  
 <213> Homo sapiens

<400> 939  
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gccgcgcagc	acggccttgg	gggttctgcg	ggccttcggg	tgcgcgtctc	gcctctagcc	120
atgggggtccg	cagcgttggg	gatcctgggg	ctgggtgctgt	gcctgggtggg	ctggggggggt	180
ctgatcctgg	cgtgcgggct	gcccattgtg	caggtgaccg	ccttcctgga	ccacaacatc	240
gtgacggcgc	agaccacctg	gaagggcctg	tggatgtcgt	gcgtgggtgca	gagcaccggg	300
cacatgcagt	gcaaagtgtg	cgactcgggt	ctggctctga	gcaccgaggt	gcaggcggcg	360
cgggcgctca	ccgtgagcgc	cgtgctgctg	gcgttcggtg	cgctcttcgt	gaccttggcg	420
ggcgcgcagt	gcaccacctg	cgtggccccg	ggccccggcca	aggcgcgtgt	ggccctcacg	480
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ggcgcagcgc	tgtacatcgg	ctggggcgcc	accgcgctgc	tcatggtagg	cggctgcctc	660
ttgtgctgcg	gcgcctgggt	ctgcaccggc	cgtccccgacc	tcagcttccc	cgtgaagtac	720
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ggagccccgc	atggaccgcg	gcttcgcgcg	ggtagcgcgg	cgcgaggct	cctcggaacg	900
tccggctctg	cgccccgacg	cggctcctgg	atccgctcct	gcctgcgccc	gcagctgacc	960
ttctcctgcc	actagcccgg	ccctgccctt	aacagacgga	atgaagtttc	cttttctgtg	1020
cgcggcgctg	tttccatagg	cagagcgggg	gtcagactga	ggatttcgct	tccctcccaa	1080
gacgctgggg	gtcttggctg	ctgccttact	tcccagaggc	tcctgctgac	ttcggagggg	1140
cggatgcaga	gccccggggc	cccaccggaa	gatgtgtaca	gctgggtctt	actccatcgg	1200
caggccccgag	cccaggggacc	agtgacttgg	cctggacctc	ccggtctcac	tccagcatct	1260
ccccaggcaa	ggcttgtggg	caccggagct	tgagagaggg	cgggagtggg	aaggctaaga	1320
atctgcttag	taaatgggtt	gaactctcaa	aaaaaaaaaa	aaaa		1364

<210> 940  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 940						60
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agtgggtggac	caggccacag	aggcggggca	gaaagccatg	gaccagctgg	ccaagaccac	180
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <211> 655  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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